FILE NO.

SANYO

SERVICE MANUAL

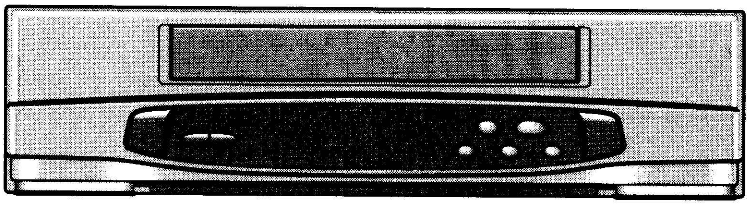
Video Cassette Recorder

VHR-795G
VHR-775G
(Germany)

VHR-795E
VHR-775E
(U.K.)

VHR-795EX
VHR-775EX
(General Europe)

VHS PAL



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CIRCUIT DIAGRAMS (Refer to the separate volume)

Please see other materials with Reference No. given in table below.

Materials	Model No.	Reference No.
Mechanism Manual	V95 I Mechanism	MM531433

PRODUCT SAFETY NOTICE

The components designated by a symbol (⚠) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the Parts List. Do not deviate from the resistance, wattage, and voltage ratings shown.

NOTE: 1. Parts order must contain model number, part number, and description.
2. Substitute parts may be supplied as the service parts.
3. N.S.P.: Not available as service parts.

Design and specifications are subject to change without notice.

PP4H/G, G2, E, E2, EX, EX2, 143 155 01, 04, 08, 09, 16, 18

REFERENCE No. SM531435

Notice

SANYO

☐ CORRECTION ☑ PRODUCTION CHANGE
☐ SERVICE FLASH ☐ ADD INFORMATION

FILE No.

Please add this notice to the Service manual listed below.

Category : Video Cassette Recorder

Date :Feb.17.1997

Model Name	Reference No.	Destination
VHR-795G	SM531435	Germany
VHR-775G	SM531435	Germany
VHR-795E	SM531435	U.K.
VHR-775E	SM531435	U.K.
VHR-795EX	SM531435	General Europe
VHR-775EX	SM531435	General Europe

The reason of change.

A : Misprint B : Quality Reliability C : Standardization D : Design
E : Deletion F : Addition G : Multiple Use

Section	Loc.No.		Part No.	Description	Interchange-ability	Reason
COMPL PWB,CP-1-A (Page 21)	IC351	Old	409 323 3109	IC BU2896K	No	D
		New	409 398 5008	IC BU2896AK	Yes with Old	
COMPL PWB,CP-1-A (Page 25)	CN121	Old	613 111 5712 645 002 4528 645 003 1656	SOCKET 21P (EXCEPT VHR-795E) SOCKET,RGB 21P (EXCEPT VHR-795E) SOCKET,RGB 21P (EXCEPT VHR-795E)	Yes with New	G
		New	645 021 1089	SOCKET,RGB 21P (EXCEPT VHR-795E)	Yes with Old	
COMPL PWB,TB-1 (Page 28)	CN871	Old	613 105 6633 645 001 9807	SOCKET,21P SOCKET,RGB 21P	Yes with New	G
		New	645 018 7605	SOCKET,RGB 21P	Yes with Old	
	CN872	Old	613 105 6633 645 001 9807	SOCKET,21P SOCKET,RGB 21P	Yes with New	G
		New	645 018 7605	SOCKET,RGB 21P	Yes with Old	

PP4H /G,G2,E,E2,EX,EX2
143 155 01,04,08,09,16,18 Printed in Japan

SANYO Electric Co., Ltd.
Osaka,Japan

Reference No. SM531435-03

SELF-DIAGNOSIS DISPLAY

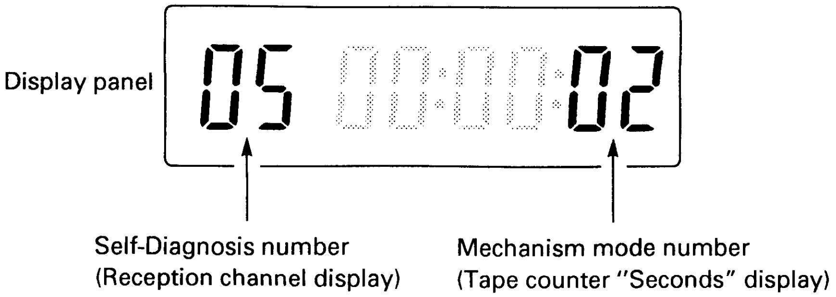
Mechanism Mode Display/Head Output Drop Warning Display/Cylinder Rotation Accumulated Time Display

This unit displays the diagnosis contents of abnormalities and the mechanism mode on its display panel in 2-digit numbers. When the head playback output has dropped, the "L" sign will be blinked. Some models (listed later) will also display the cylinder rotation accumulated time.

These display shows the outline of the problems. Use it as a reference when servicing the unit.

1. Self-Diagnosis Contents and Mechanism Mode Display

- When the STOP button on the remote control is pressed for about 10 seconds continuously, the self- diagnosis number will be displayed on the reception channel display of the display panel and number indicating the failed mechanism mode (changed mode when being shifted) on the tape counter "seconds" display for 3 seconds each.
- During self-diagnosis display, displays other than the diagnosis number/mechanism mode number and the cylinder accumulated rotation time display described later (some models only) will be turned off and when displays end, the normal display will be returned automatically.
- Refer to "Self-Diagnosis Contents" for the self-diagnosis numbers and the "Mechanism Mode Display Contents" for the mechanism mode numbers.



Self-Diagnosis Contents

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
00	There is no abnormality in the mechanism.		
01	The cylinder motor does not rotate.	• The cylinder motor is faulty. • The control of the cylinder motor is faulty. • The tape winds around the cylinder.	Shifts to the STOP mode.
02	The take-up reel does not rotate.	• The take-up reel is caught. • The reel belt is faulty. • The take-up torque has decreased.	Shifts to the STOP mode.
03	The capstan motor does not rotate.	• The capstan motor is faulty. • The control of the capstan motor is faulty.	Shifts to the STOP mode.
04	The tape cannot be loaded with the cassette inserted. (But unloading can be performed.)	• Error in the operations of the tape loading mechanism. • Foreign particles in the tape load-ing mechanism. • The tape end sensor is faulty. • The reel brake of the tape cassette has not been released.	Unloads, shifts to the INITIAL mode, and the power goes off.
05	Tape loading and unloading cannot be performed with the cassette inserted.	• The tape guide is caught. • The loading motor is faulty. • The control of the loading motor is faulty.	The power is forcibly turned off with the mechanism at its current position.

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
06	Front unloading cannot be performed when ejecting the cassette. (Front loading can be performed.)	• The cassette drive mechanism is faulty. • The front door is caught.	Front loads and shifts to the STOP or INITIAL mode. • When the power switch is turned on before eject operations: Shifts to the STOP mode. • When the power switch is turned off before eject operations: Shifts to the INITIAL mode and the power goes off.
07	Front loading and front unloading cannot be performed when ejecting the cassette.	• The tape cassette is caught in the cassette drive mechanism. • The main cam and front rack gear of the front loading mechanism have not engaged properly. • The gears of the front loading drive mechanism have not engaged properly.	The power is forcibly turned off with the mechanism at its current position.
08	The mechanism becomes 1 (REVIEW) while moving from 2 (IDLER), 3(STILL), 4 (BRAKE), and to 5 (STOP).	• The mechanism mode switch contact is faulty.	The power is forcibly turned off with the mechanism at its current position.
09	The mechanism becomes 7 (INITIAL) while moving from 1 (REVIEW), 2 (IDLER), 3(STILL), 4 (BRAKE), and to 5 (STOP).	• The mechanism mode switch contact is faulty.	Carries out tape take-up operations, shifts to the INITIAL mode, and the power goes off.

Note: For details of mechanism operations corresponding to the mechanism positions of the self-diagnosis numbers 08 and 09 above, refer to the separate volume on the V95 I mechanism manual.
These manual reference numbers are shown in the cover.

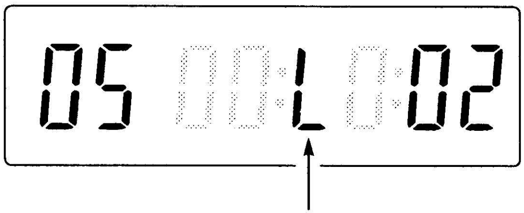
Mechanism Mode Display Contents

Mode No.	Mechanism Mode	Mode No.	Mechanism Mode	Mode No.	Mechanism Mode
00	CASSETTE OUT	08	PLAY	16	VIDEO INSERT
01	STANDBY	09	REC	17	VIDEO INSERT – PAUSE
02	STOP	10	AUDIO DUBBING	18	AUDIO/VIDEO INSERT
03	STILL	11	X2 SPEED PLAY	19	REVERSE X2 SPEED PLAY
04	REC-PAUSE	12	CUE		
05	AUDIO DUBBING – PAUSE	13	REVIEW		
06	FRAME ADVANCE	14	FAST FORWARD		
07	SLOW	15	REWIND	99	OTHERS

2. Head Output Drop Warning Display

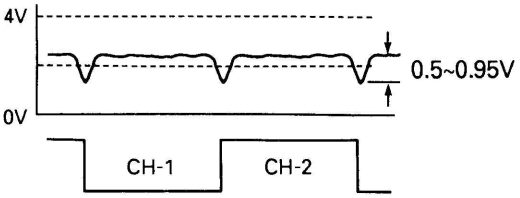
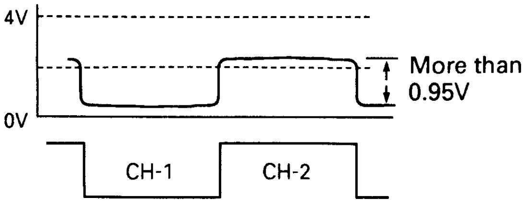
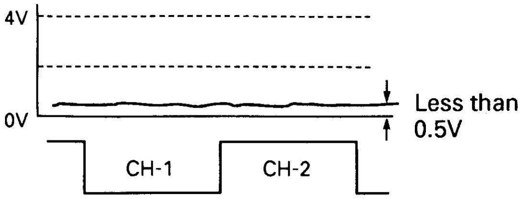
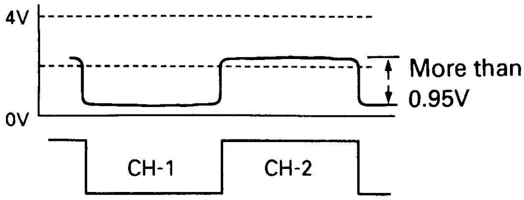
- When the STOP button on the remote control is pressed for 10 seconds continuously 10 seconds after play starts, "L" will be displayed blinking at the first digit of the minutes position on the tape counter when the head output is lower than the specified value to indicate an abnormality.
- The cause of the abnormality may be due to drop in the playback output caused by drop in the efficiency of the cassette used or head clogging. Refer to "Head Playback Output Voltage Check" as a means to judge the abnormality.

Display panel



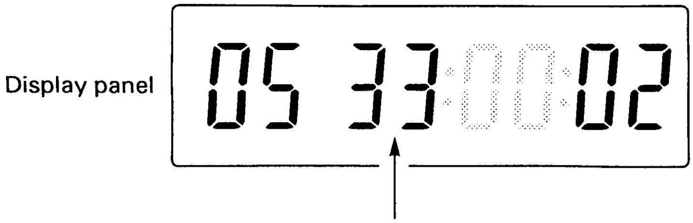
Head output drop warning display
(Tape counter "1st digit of Minutes." position)

Head playback output voltage check

Cassette Used	Warning Display	Envelope Detection Output Voltage	Main Cause
Cassette with normal playback output	——	Envelope detection output (IC301 Pin 25 or C3016 HOT side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is 0.5 to 0.95V • The video heads of both are normal
Recorded cassette (With tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or C3016 HOT side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V • Tracking adjustment has not been performed accurately • One video head is clogged • One video head has worn out
	"L" blinking	Envelope detection output (IC301 Pin 25 or C3016 HOT side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the average output voltage of the two channels is less than 0.5V • Tracking adjustment has not been performed accurately • Both video heads are clogged • Both video heads have worn out
Rental cassette (Without tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or C3016 HOT side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V • Tracking adjustment has not been performed accurately • One video head is clogged • One video head has worn out
	Some rental cassettes may have extremely low video playback outputs even when both video heads are normal. As the average output voltage of the two heads may be less than 0.5V for some, no warning displays will be shown.		

3. Cylinder rotation accumulated time display Only VHR-795E, VHR-775E employs this function (However, this function will be equipped only from the middle of production.

- Press the STOP button on the remote control for approximately 10 seconds and the cylinder rotation accumulated time excluding the cassette out and standby operation time will be displayed on the "Hours" display in units of 100 hours. ("33" will be displayed for 3 seconds for 3,300 to 3,399 hours.)
- To erase the cylinder rotation accumulated time display, press the RESET button on the remote control during the accumulated time display.



Cylinder rotation accumulated display (Tape counter "Hours" display)

1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT, AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1-1-1)

1. Remove the cabinet and bottom cover by removing the four screws ① and four screws ②.
2. Remove the front panel by removing the locks of the clamps (A) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

Notes:
- Electrical adjustments for the this model can be performed with only the cabinet removed.
- When replacing the bottom cover, do not tighten the screws ② too much. Excess tightness may damage the screw taps on the chassis.

REMOVING THE MECHANISM MAIN UNIT AND THE CP-1 PWB ASSEMBLY (Fig.1-1-2 and 1-1-3)

After removing the cabinet parts, remove the mechanism unit and the CP-1 PWB assembly connected as follows.

1. First, remove the red screw ③ of the TB-2 PWB, spread out the lock clamps (B) and (C) in the arrow direction slightly and remove the TB-2 PWB and TM-1 PWB as shown in Fig. 1-1-2.
2. Remove the screw ④ at the back of the chassis.
3. Remove the red screw ⑤ in the chassis, remove the red screw ⑥, and remove the holder in this order.
4. Remove the two screws ⑦ and two screws ⑧ of the mechanism unit. The two screws ⑧ of the cassette tray can be removed easily by pushing the tray lock lever in the arrow direction to remove the lock as shown in the enlarge view A and by pushing the lid opener lever in the arrow direction to remove the lock as shown in the enlarge view B.
5. Lift up the whole mechanism unit and main board (CP-1 PWB assembly), and as shown in Fig. 1-1-3, push the two lock clamps (D) of the chassis in the arrow direction so that they can be removed from the chassis.

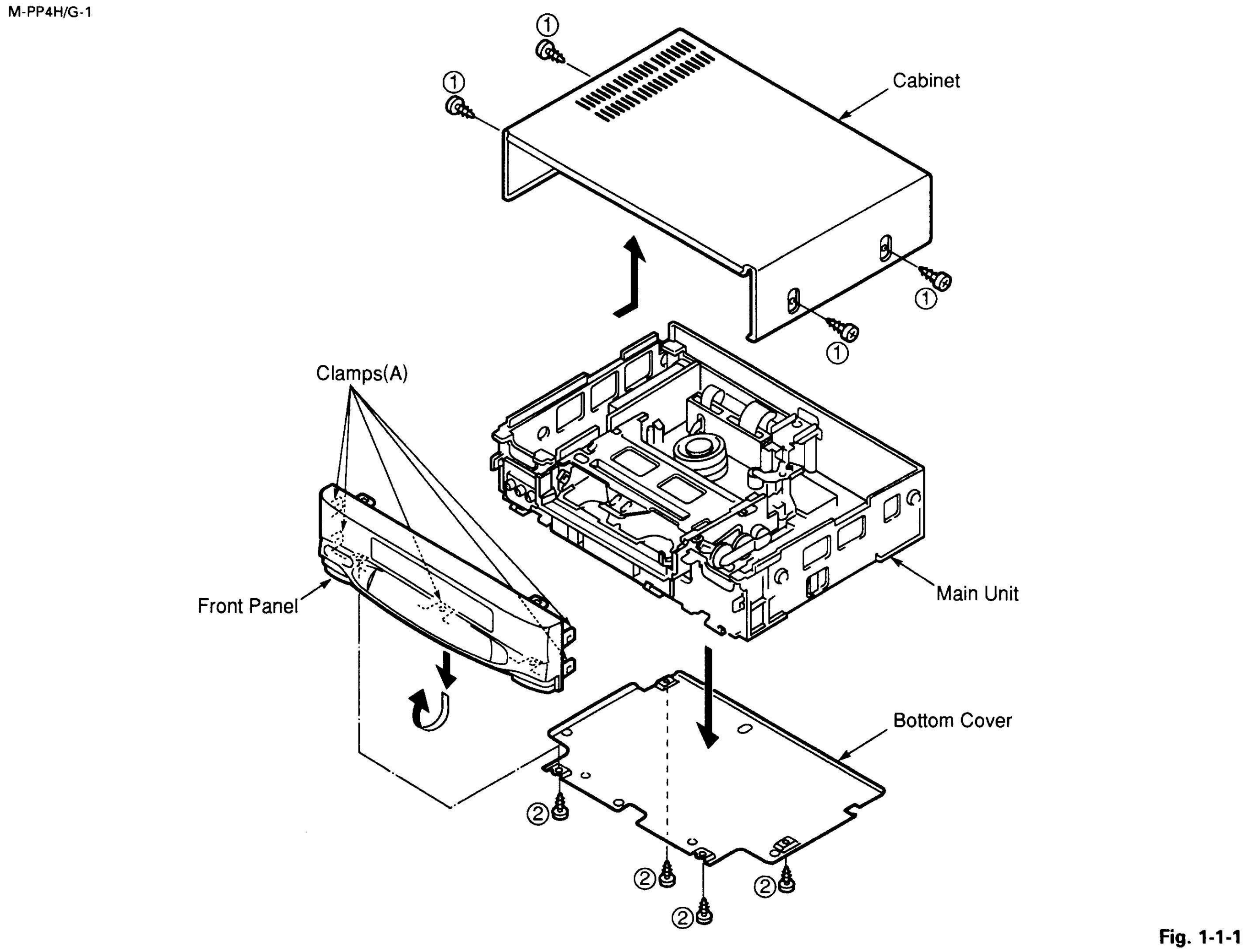


Fig. 1-1-1

M-PP4H/G-2

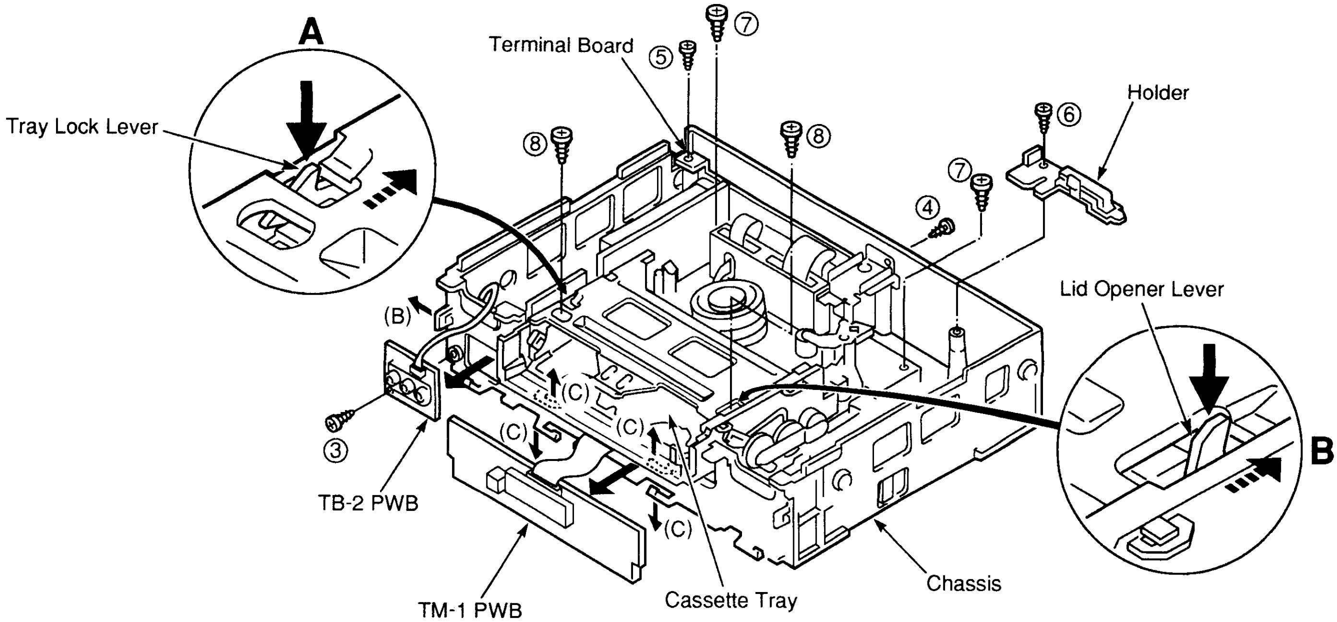

A
Tray Lock Lever
Terminal Board
⑦
⑤
⑧
⑧
⑥
Holder
⑦
④
Lid Opener Lever
(B)
(C)
(C)
(C)
(C)
③
TB-2 PWB
TM-1 PWB
Cassette Tray
Chassis
B

Fig. 1-1-2

M-PP4H/G-3

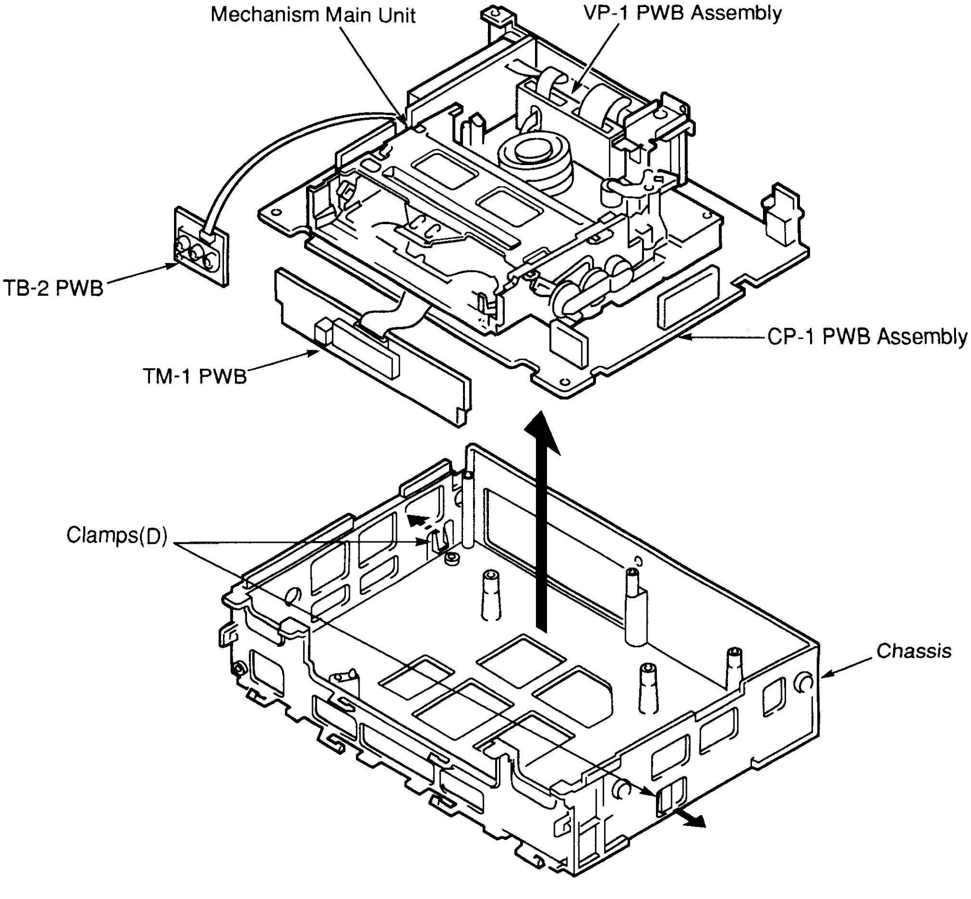

Mechanism Main Unit
VP-1 PWB Assembly
TB-2 PWB
CP-1 PWB Assembly
TM-1 PWB
Clamps(D)
Chassis

Fig. 1-1-3

1-2. TEMPORARILY SETTING UP AND CONNECTING CP-1 PWB ASSEMBLY

The following is an example of how to place and connect the main board without a jig, when repairing the CP-1 PWB assembly.

1. Place the mechanism unit and main board up side down as a whole on a flat surface with the foil side of the main board facing up.
2. Operate the unit using the buttons on TM-1 PWB or the remote control.

M-PP4H/G-4

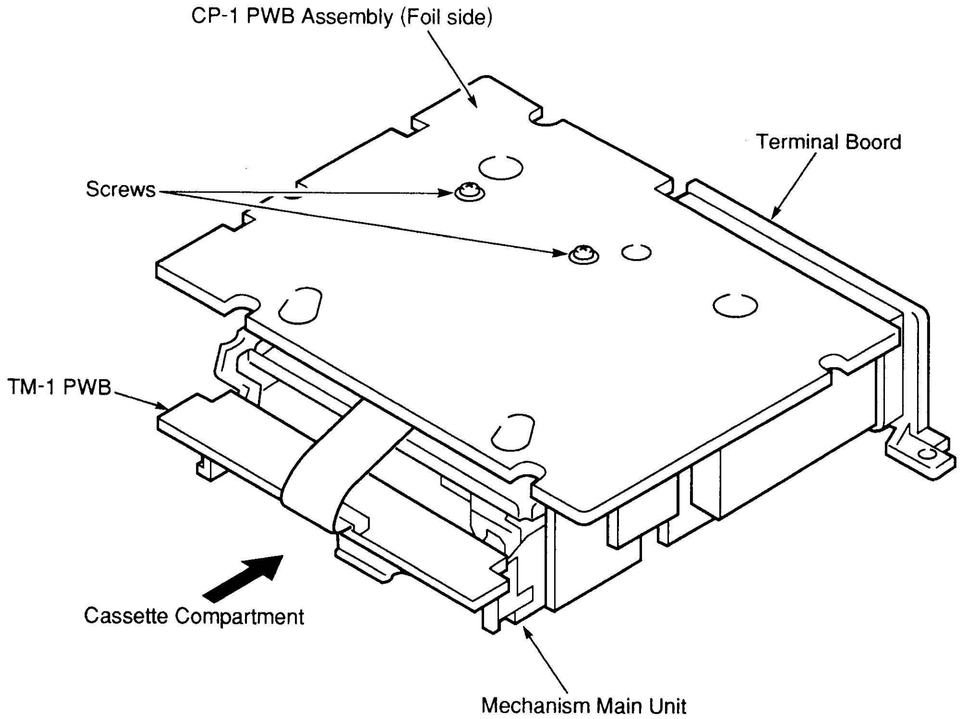

CP-1 PWB Assembly (Foil side)
Terminal Boord
Screws
TM-1 PWB
Cassette Compartment
Mechanism Main Unit

Fig. 1-1-4

1-3. INSTALLATION OF THE FRONT PANEL

When installing the front panel to the chassis after repaires and adjustments.

1. Pressing down the door opener lever of the mechanism main unit.
2. Set the cassette door to half-opened state as shown in Fig.1-1-5, and install the front panel to the chassis.

Note: Opened cassette door position does not install the front panel to the chassis.

M-PP4H/G-5

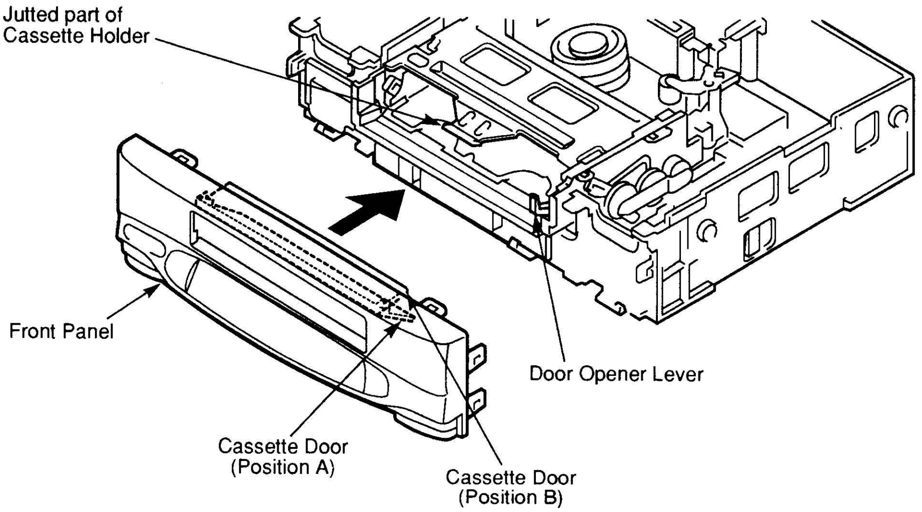
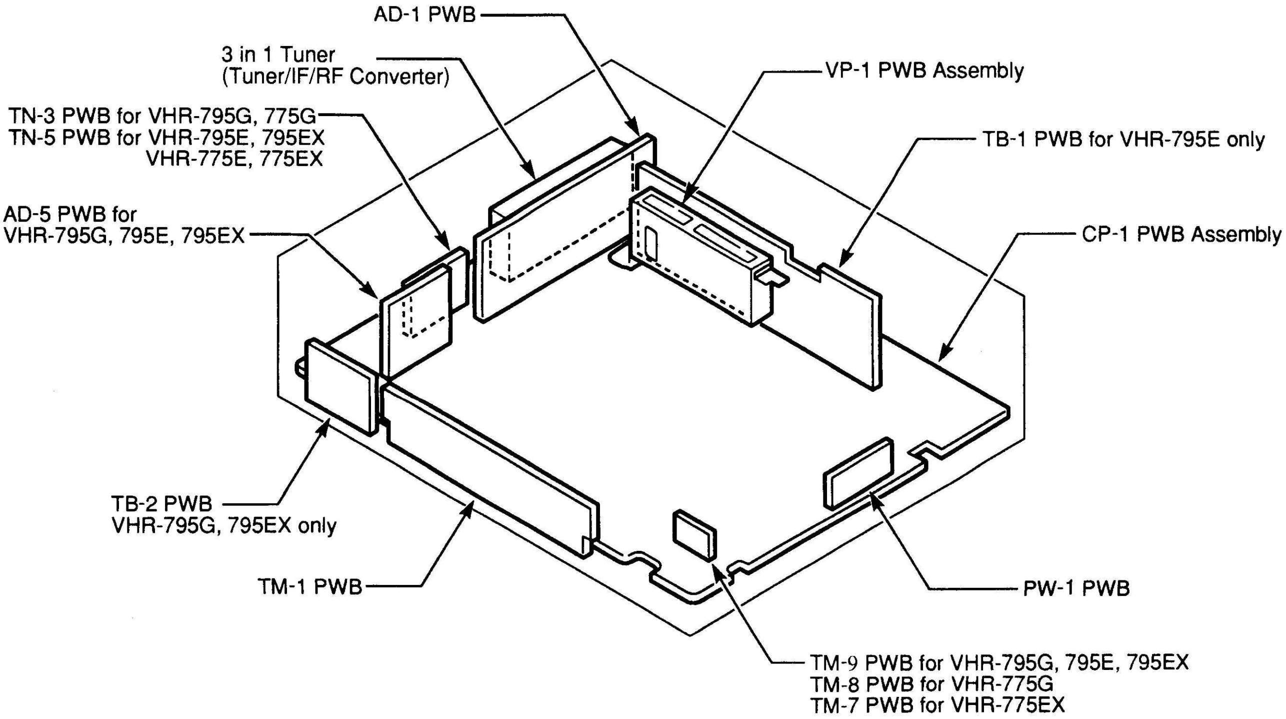

Jutted part of
Cassette Holder
Front Panel
Door Opener Lever
Cassette Door
(Position A)
Cassette Door
(Position B)

Fig. 1-1-5

1-4. MAIN CIRCUIT BOARD LOCATIONS

L-PP4H/G


AD-1 PWB
3 in 1 Tuner
(Tuner/IF/RF Converter)
TN-3 PWB for VHR-795G, 775G
TN-5 PWB for VHR-795E, 795EX
VHR-775E, 775EX
AD-5 PWB for
VHR-795G, 795E, 795EX
VP-1 PWB Assembly
TB-1 PWB for VHR-795E only
CP-1 PWB Assembly
TB-2 PWB
VHR-795G, 795EX only
TM-1 PWB
PW-1 PWB
TM-9 PWB for VHR-795G, 795E, 795EX
TM-8 PWB for VHR-775G
TM-7 PWB for VHR-775EX

2. ELECTRICAL ADJUSTMENT

VCR PRESETTING

This VCR need three basic presetting by using the menus displayed on-screen. After all connection have been made, then follow steps 1 to 3 to preset the VCR.
The three presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR
1. Adjusting the TV receiver to the video channel: The AUTO SETUP screen will appear. When the video channel has been preset, press the OK button on the remote control.
2. Country selection: Using the numeric button, select the country of use.
3. Language selection: When the desired language has been select, press the MENU/ TV button directly before prevent auto tuning will start.

When steps 1 to 3 have been finish, ready to operate the all operating mode.

2-1. SERVO CIRCUIT ADJUSTMENT

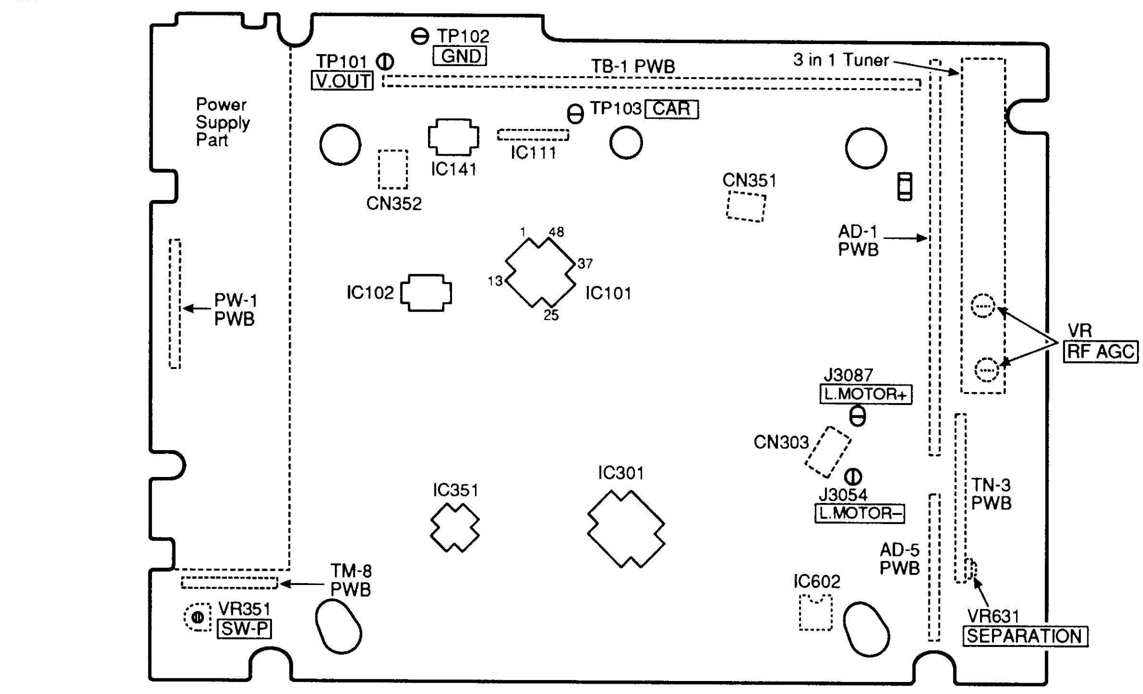
- These adjustments should be done upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are done after these adjustments, follow the procedures again in section 2-1-3, "switching position adj."
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback, as this will deviate the tracking center set. Be sure to press the channel buttons (+) or (–) several times directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity Bandwidth	: 5 mV/DIV, external trigger : more than 10 MHz
Alignment Tape	VHJ-0009 or VHJ-0023	: SP mode, monoscope, 6 KHz
Blank Tape	VHS-type cassette tape	
Monitor TV		

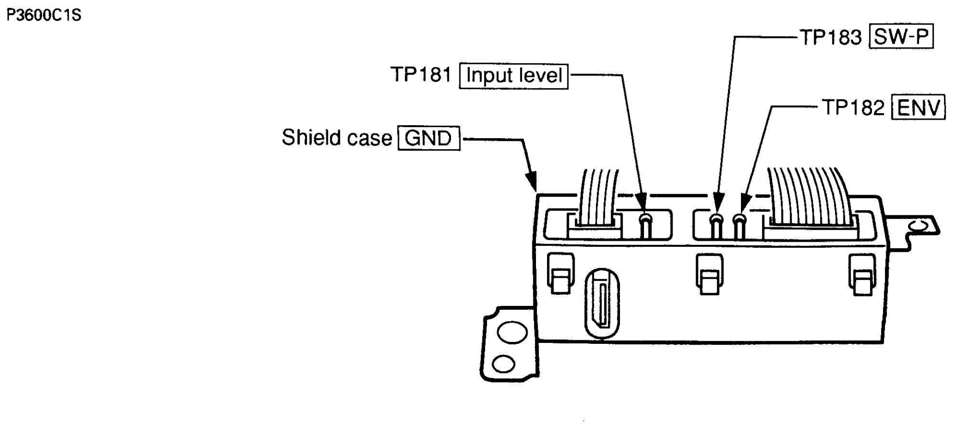
2-1-2. LOCATION OF ADJUSTMENT POINTS

P36200E1S


TP102
GND
TP101
V.OUT
TB-1 PWB
3 in 1 Tuner
TP103
CAR
Power Supply Part
IC141
IC111
CN352
CN351
AD-1 PWB
1
48
37
13
25
IC102
IC101
PW-1 PWB
VR
RF AGC
J3087
L.MOTOR+
CN303
J3054
L.MOTOR–
IC351
IC301
TN-3 PWB
AD-5 PWB
TM-8 PWB
IC602
VR351
SW-P
VR631
SEPARATION

CP-1 PWB (Foil side)

Fig. 2-1-1



VP-1 PWB Assembly

Fig. 2-1-2

Note:

- Self-recording means "Record any broadcasting or video signal and play back the just-recorded portion."

2-1-3. SWITCHING POSITION ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope	PLAY mode Alignment tape (VHJ-0009 or VHJ-0023)

Adj. Location	Adj. Value
VR351 (SW-P)	6.5 H ± 0.5 H

1. Play back the alignment tape.
2. Set the tracking control position to the center by pressing CHANNEL buttons (+) and (–) simultaneously.
   Note: To set tracking to center accurately, press the two CHANNEL buttons together.
3. Adjust VR351 (SW-P) so that the width of "T" becomes 6.5 H ± 0.5 H as shown in Fig. 2-1-3.

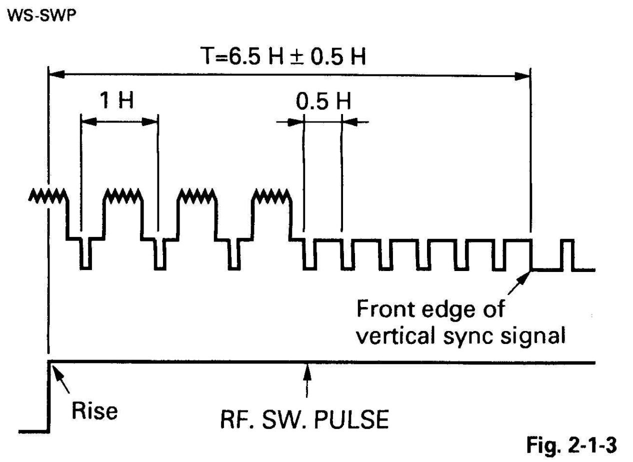


Fig. 2-1-3

2-1-4. SLOW TRAKCING ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
Picture of monitor TV	Color bar generator or broadcasting monitor	Self-recording (SP mode) SLOW mode Blank tape
		Self-recording (LP mode) SLOW mode Blank tape

Adj. Location	Adj. Value
CHANNEL (+) button CHANNEL (–) button	—

1. Set the tracking control to the center position by pressing CHANNEL buttons (+) and (–) simultaneously.
2. Play back the self-recorded portion and set the VCR in the SLOW mode with the remote control unit.
3. Confirm that there is no noise on the slow playback display.
4. Press the CHANNEL button (+) about three times and check that noise dose not appear at the upper part of the display.
5. Adjust the tracking control to the center again.
6. Press the CHANNEL button (–) the same number of times as in the step 4 (about three times) and check that noise dose not appear at the lower part of the display.

Note:

- CHANNEL button also servers as TRACKING button.

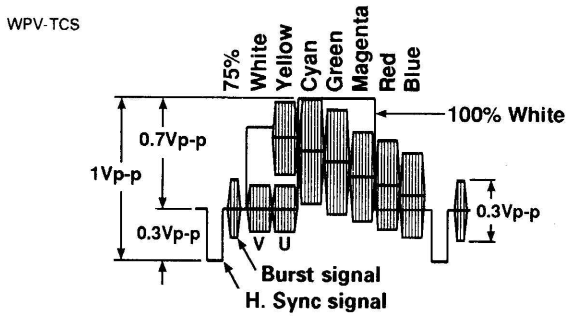
2-2. VIDEO CIRCUIT ADJUSTMENT

- In this model, video circuit adjustments are not performed. To check whether operations are normal, check the AGC level and PB-Y level using the following method.
- Use the adjustment relay jig to provide simple repairing of the VP-1 PWB assembly.

2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

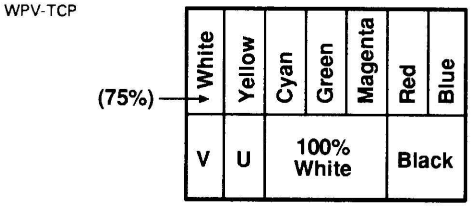
Color Bar Signal Generator	PAL Color bar signel with 100% white level (EBU color bar signel)	
Oscilloscope	Vertical sensitivity Bandwidth	: 5 mV/DIV, external trigger : more than 10 MHz
Oscilloscope Probe	Input capacity Covering frequency	: less than 25 pF (10:1) less than 40 pF (1:1) : DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Digital Voltmeter	DC range	
Alignment Tape	VHJ-0008 or VHJ-0023 (Color bar signal waveform is described below. Refer to Fig. 2-2-1)	: SP mode, color bar, 1 kHz
Adjustment Relay Jig	VHJ-0067	: 12-wire flat cable for VP-1 PWB assembly

ALIGNMENT TAPE COLOR BAR SIGNAL


WPV-TCS
75%
White
Yellow
Cyan
Green
Magenta
Red
Blue
100% White
0.7Vp-p
1Vp-p
0.3Vp-p
0.3Vp-p
V U
Burst signal
H. Sync signal

Color bar signal waveform (VHJ-0008)

Fig. 2-2-1



White	Yellow	Cyan	Green	Magenta	Red	Blue
V	U	100% White			Black	

Color bar pattern (VHJ-0008) on monitor TV

Fig. 2-2-2

ADJUSTMENT RELAY JIG

Connect the flat cable end from the cylinder assembly to the VP-1 PWB assembly using the relay jig to provide simple repairing or adjustment of the VP-1 PWB assembly, as shown in Fig. 2-2-3. Further, when adjusting the VP-1 PWB assembly, be sure to make contact an end of shield case with bracket of the VP-1 PWB assembly to maintain the shield effect. If the VP-1 PWB assembly does not contact, there is insufficient ground and no proper play back image can be obtained.

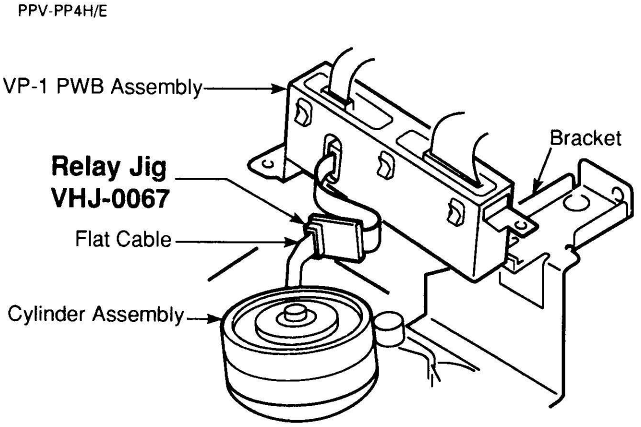
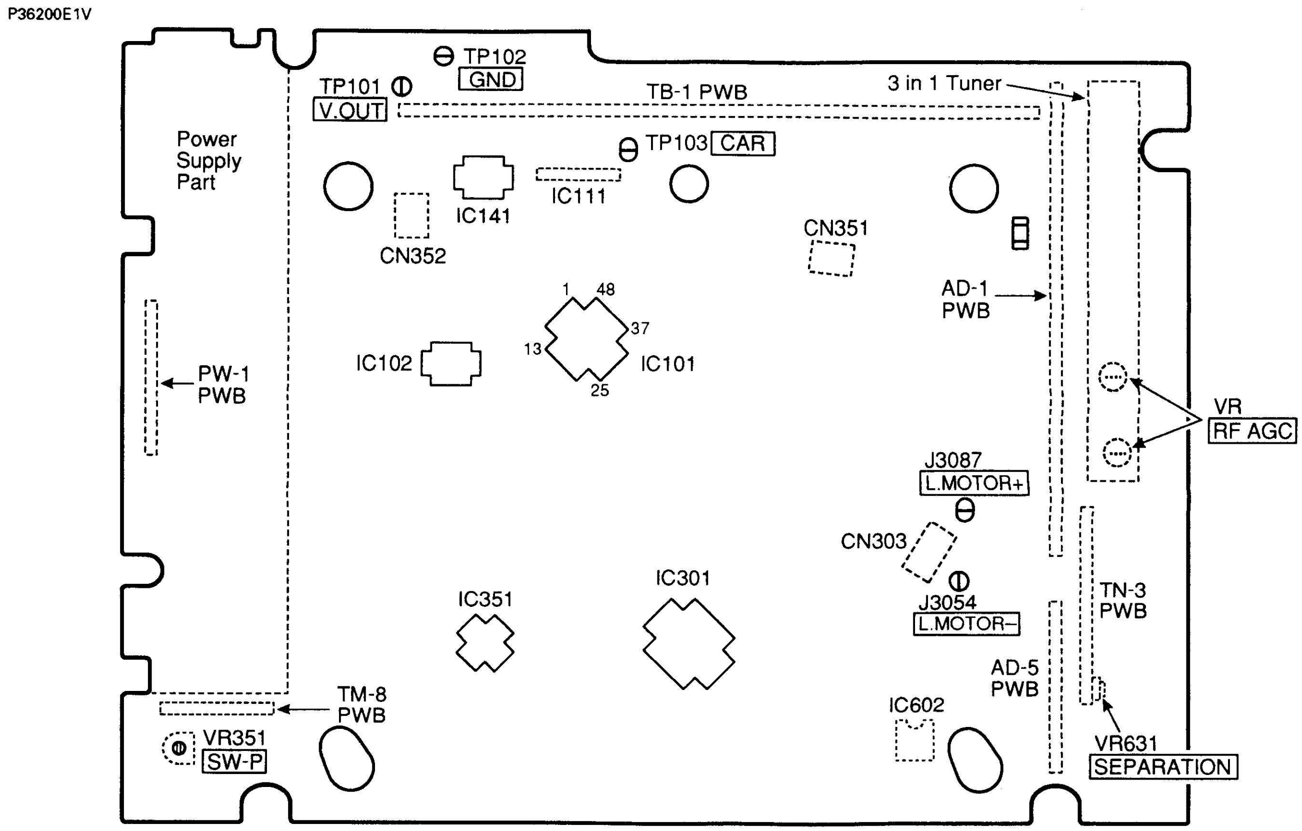

PPV-PP4H/E
VP-1 PWB Assembly
Bracket
Relay Jig
VHJ-0067
Flat Cable
Cylinder Assembly

Fig. 2-2-3

2-2-2. LOCATION OF TEST POINTS


P36200E1V
TP102
GND
TP101
V.OUT
TB-1 PWB
3 in 1 Tuner
Power
Supply
Part
TP103
CAR
IC141
IC111
CN352
CN351
AD-1
PWB
1
48
37
13
25
IC102
IC101
PW-1
PWB
VR
RF AGC
J3087
L.MOTOR+
CN303
IC301
IC351
J3054
L.MOTOR–
TN-3
PWB
AD-5
PWB
TM-8
PWB
IC602
VR351
SW-P
VR631
SEPARATION

CP-1 PWB (Foil side)

Fig. 2-2-4

2-2-3. AGC LEVEL CHECK.

Measuring Point	Measuring Equipment	Adj Condition
IC101 pin 46	Color bar generator Oscilloscope (10:1 probe)	E-E mode

Adj. Location	Specified Value
—	0.5 Vp-p ± 0.05 Vp-p

1. Connect the color bar generator to the video input terminal.
2. Make sure that the AGC level is 0.5 Vp-p ± 0.05 Vp-p as shown in Fig. 2-2-5.

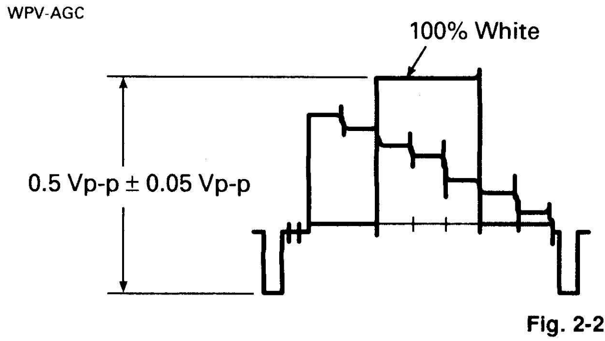


Fig. 2-2-5

2-2-4. PB-Y LEVEL CHECK.

Measuring Point	Measuring Equipment	Adj Condition
TP101 (VIDEO OUT)	Oscilloscope	PLAY mode Alignment tape (VHJ-0008 or VHJ-0023)

Adj. Location	Specified Value
—	1 Vp-p ± 0.1 Vp-p

1. Terminate the video output terminal with a 75Ω resistor.
2. Make sure that the video luminance signal level is 1 Vp-p ± 0.1 Vp-p. (Refer to Fig. 2-2-6)

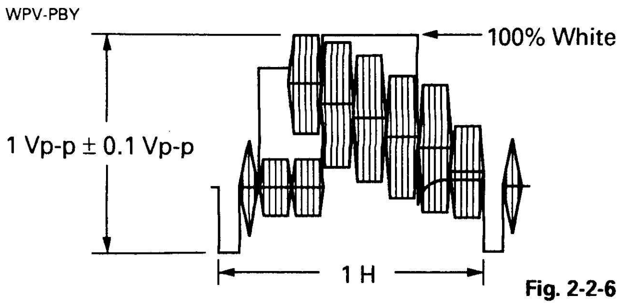


Fig. 2-2-6

2-3. AUDIO CIRCUIT ADJUSTMENT

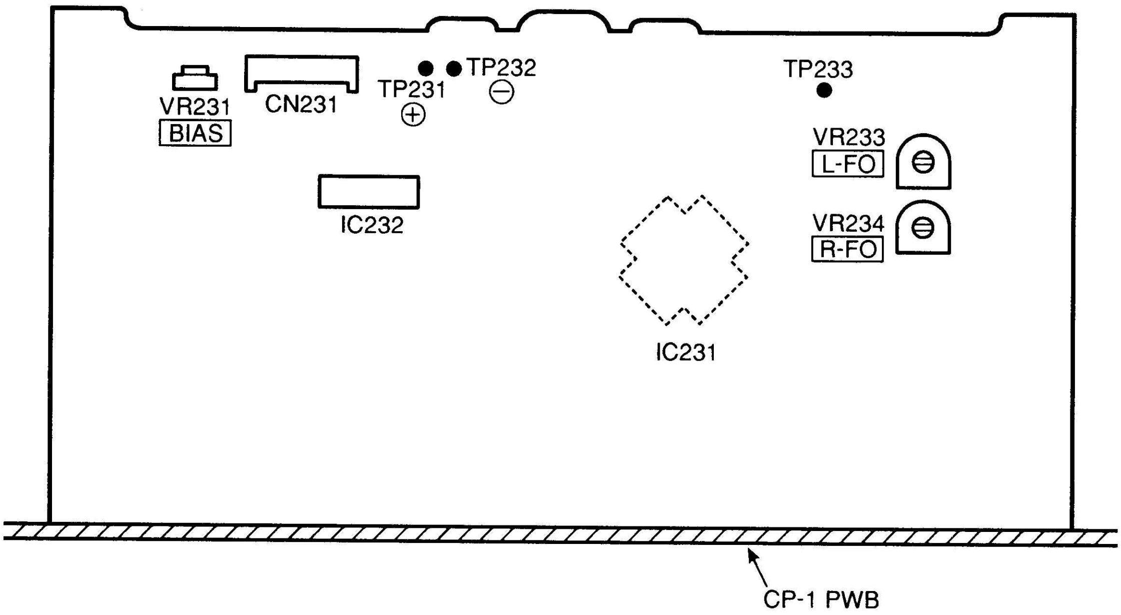
- Before making these adjustments, be sure to make the adjustments described in the tape path adjustment, especially the ACE heads adjustments (refer to the separate volume "Mechanism Manual") so that the tape traveling between the supply side guide roller and loading guide post runs without fluttering or curling.
- Before making these adjustments (except the ACE heads adjustments), be sure to make the adjustments described in section 2-1, "Servo Circuit." and section 2-2, "Video Circuit."

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity : 10 mV/DIV Bandwidth : more than 30 MHz
AC Voltmeter	Effective value indication Input frequency : 10 Hz ~ 20 kHz Input impedance : more than 1 MΩ Measurement level : 1 mV (full scale)
Frequency Counter	Input frequency : 20 Hz ~ 10MHz
Blank Tape	VHS-type cassette tape

2-3-2. LOCATION OF ADJUSTMENT POINTS

P36100C1A



AD-1 PWB (Parts side)

Fig. 2-3-1

AUDIO NORMAL CIRCUIT

Note:

- Set the following remote control button to the positions indicated below, before making following adjustments.

REMOTE CONTROL BUTTON	POSITION
TAPE SPEED	SP
INPUT	AV
AUDIO	L

2-3-3. BIAS LEVEL ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
TP231 (HOT) TP232 (COLD)	Oscilloscope AC voltmeter Frequency counter	REC (SP) mode Blank tape

Adj. Location	Adj. Value
VR231 (BIAS)	26 mVrms

1. Load the VCR with a blank tape and select the REC (SP) mode without all incoming signal.
2. After confirming on the oscilloscope that a 70 kHz ± 5kHz sine wave is being output, adjust VR231 (BIAS) so that the AC voltmeter's reading is 26 mVrms.

AUDIO FM (Hi-Fi) CIRCUIT

Note:

- Set the following remote control button to the positions indicated below, before making following adjustments.

REMOTE CONTROL BUTTON	POSITION
TAPE SPEED	SP
INPUT	AV
AUDIO	L or R

2-3-4. A-FM CARRIER FREQUENCY ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
TP233	Frequency counter	REC (SP) mode Blank tape

Adj. Location	Adj. Value
VR233 (L-FO)	1.4 MHz ±5 kHz
VR234 (R-FO)	1.8 MHz ±5 kHz

1. Press the INPUT button on the remote control and select "AV".
2. After recording/playing back for 10 to 20 seconds with the no-signal input, select Lch with the AUDIO button on the remote control, and check the reading of the counter connected to TP233.
3. If the carrier frequency of Lch is higher than 1.4 MHz, rotate VR233 (L-FO) slightly to the right, towards the board component side.
4. Next switch to Rch and check the reading of the counter. If the carrier frequency of Rch is higher than 1.8 MHz, rotate VR234 (R-FO) slightly to the right, towards the board component side.
5. After recording/playing back for 10 to 20 seconds with the no-signal input again. If the carrier frequency of Rch is higher than 1.8 MHz, rotate VR234 (R-FO) slightly to the right. If lower, rotate slightly to the left. Switch to Lch using the AUDIO button. If the carrier frequency of Lch is higher than 1.4 MHz, rotate VR233 (L-FO) slightly to the right. If lower, rotate slightly to the left.
6. Repeat recording/play back and checking of the frequencies until the carrier frequency of Rch becomes 1.8 MHz ± 5 kHz and that of Lch becomes 1.4 MHz ± 5 kHz.

Note: The carrier frequency of the part recorded first is not stable because it is written over. Therefore, no signal recording for 10 to 20 seconds must be performed.

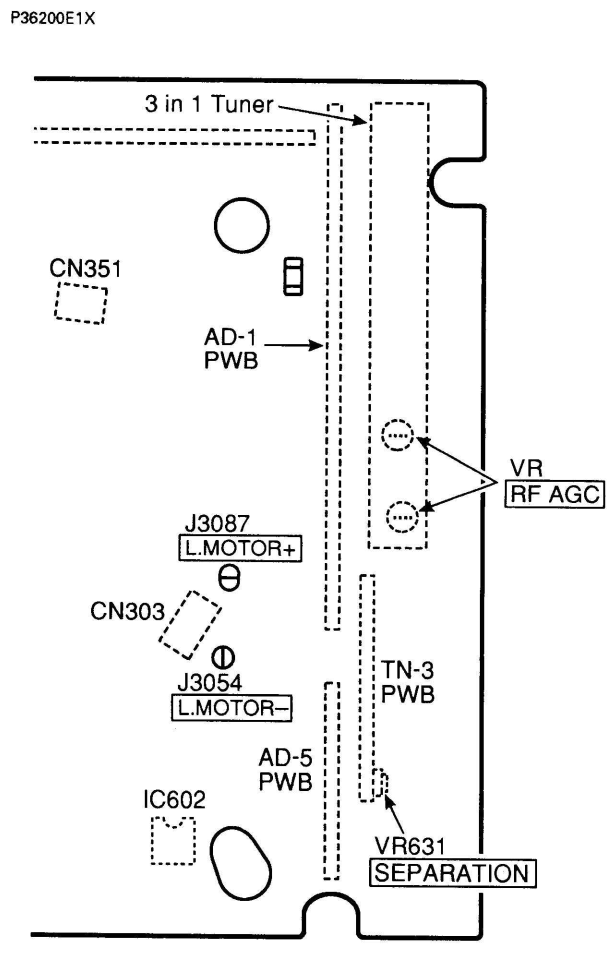
2-4. MTS DECODER CIRCUIT ADJUSTMENT

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-4-1. is necessary.
- Improper adjustment will cause loss of performance of stereo sound and bilingual sound detection.
- Before making these adjustments, be sure to make the adjustments described in section 2-1, "Servo Circuit.", section 2-2, "Video Circuit.", and section 2-3, "Audio Circuit."

2-4-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Low Path Filter	15 kHz (48dB/oct)

2-4-2. LOCATION OF ADJUSTMENT POINTS



CP-1 PWB (Foil side) **Fig. 2.4.1**

Note:

- Set the following remote control button to the positions indicated below, before making following adjustments.

REMOTE CONTROL BUTTON	POSITION
TAPE SPEED	SP
INPUT	AV
AUDIO	LR

2-4-3. SEPARATION ADJ.

Measuring Point	Measuring Equipment	ADJ. Condition
AUDIO OUTPUT terminal EURO pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Low path filter 15 kHz (48 dB/oct)	E-E mode

ADJ. Location	ADJ. Value
VR631 (SEPARATION)	Minimum level

1. Input the output signal of the audio multiplex TV signal generator into the VCR ANT input terminal.
2. Connect the oscilloscope to the audio output terminal EURO pin3 (Lch) of the VCR via the LPF.
3. Set the audio multiplex TV signal generator as follows.
   Audio signal Rch: 1 kHz 30% modulation
   Audio signal Lch: Unmodulation
4. Adjust VR631 (SEPARATION) so that the output of the audio output terminal (Lch) is brought to its minimum level.

2-5. IF CIRCUIT ADJUSTMENT

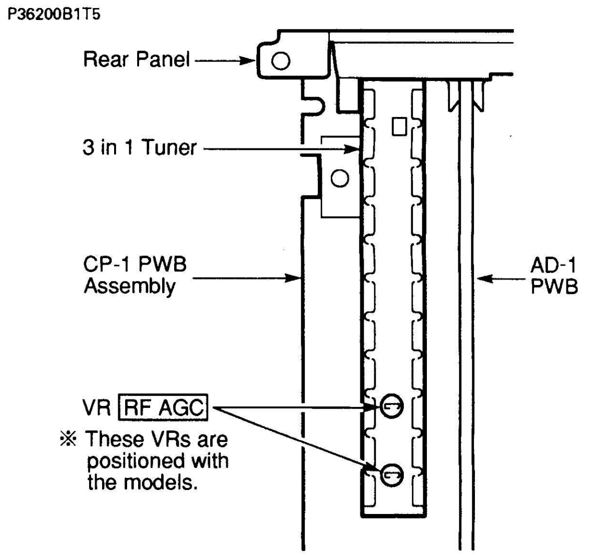
- In this model, the circuits of the TUNER, IF, and RF converter have been made into one. Therefore, should one circuit malfunction , the whole unit must be replaced.
- The adjustments for the IF (RF AGC) circuit of the 3 in 1 tuner are described below.

Note: The 3 in 1 tuner dose not need any adjustments, because precise adjustments were down befor shipment.

2-5-1. TEST EQUIPMENT AND STANDARD REQUIRED

Monitor TV	

2-5-2. LOCATION OF ADJUSTMENT POINT


P36200B1T5
Rear Panel
3 in 1 Tuner
CP-1 PWB Assembly
AD-1 PWB
VR RF AGC
※ These VRs are positioned with the models.

3 in 1 Tuner

Fig. 2-5-1

2-5-3. RF AGC ADJ.

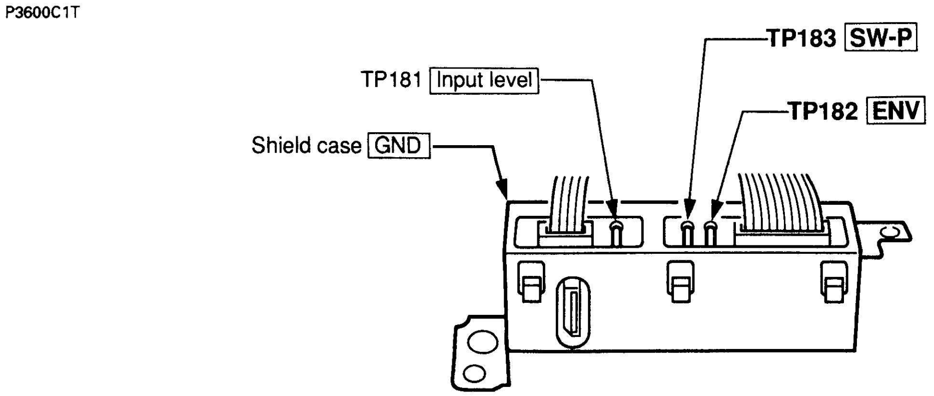
Measuring Point	Measuring Equipment	Adj. Condition
Picture of monitor TV	Monitor TV	E-E mode

Adj. Location	Adj. Value
VR (RF AGC) (on the 3 in 1 tuner)	S/N is best point

1. Connect the monitor TV to the VHF/UHF antenna output terminal.
2. Connect the VHF or UHF antenna to the VHF/UHF antenna input terminal.
3. Receive the middle electrical field (70 dBμ ~ 90 dBμ) of the VHF or UHF channel, and slowly turn the VR (RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

3. TEST POINTS FOR TAPE PATH ADJUSTMENT

Test points TP182 (ENV) and TP183 (SW-P) for tape path adjustment are shown in figure below.
For adjustment, refer to the separate volume "Mechanism Manual (MM531433)."


P3600C1T
TP183 SW-P
TP181 Input level
TP182 ENV
Shield case GND

VP-1 PWB Assembly

Fig. 3-1

4. PARTS LIST

PACKING MATERIALS

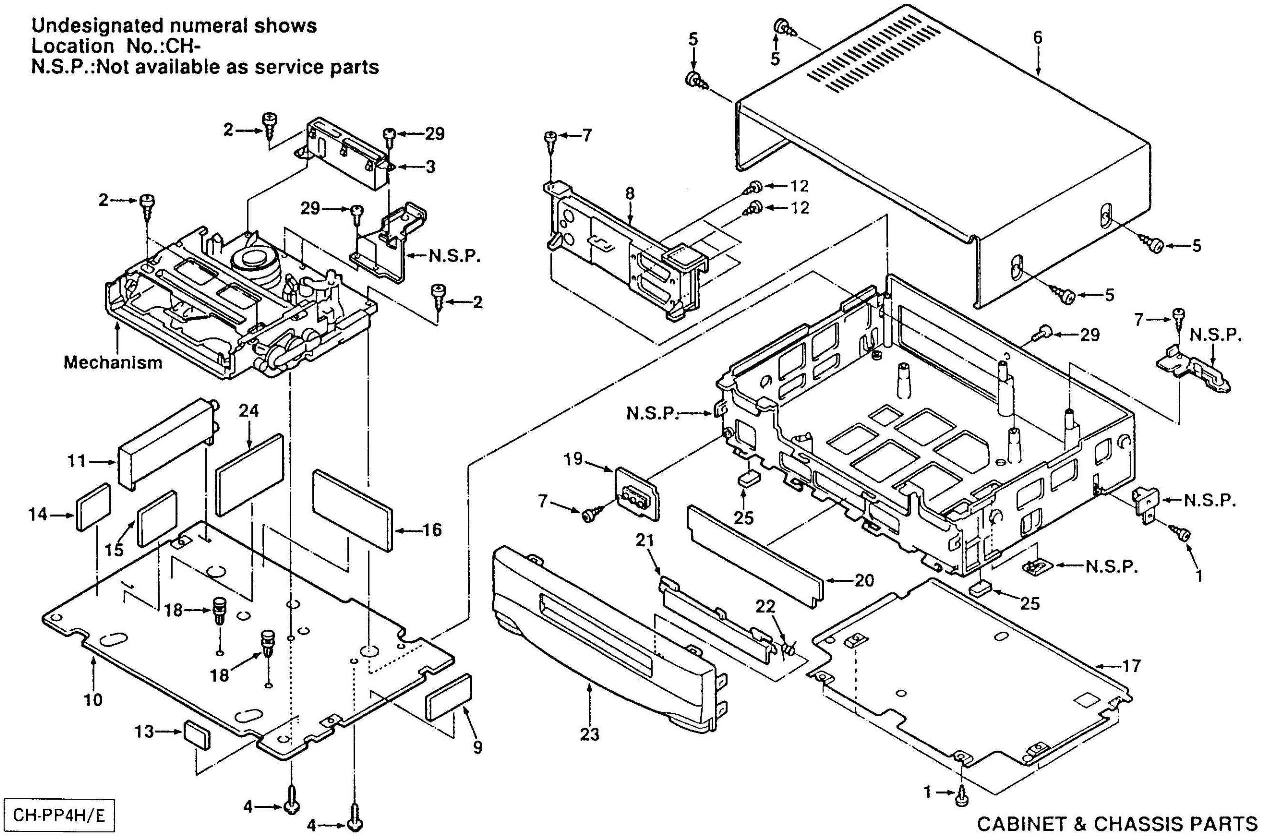
LOCATION	PARTS NO.	DESCRIPTION
	613 160 6074	CARTON CASE(VHR-795G ONLY)
OR	613 160 6081	CARTON CASE(VHR-775G ONLY)
OR	613 161 8039	CARTON CASE(VHR-795E ONLY)
OR	613 161 8046	CARTON CASE(VHR-775E ONLY)
OR	613 162 5280	CARTON CASE(VHR-795EX ONLY)
OR	613 163 0086	CARTON CASE(VHR-775EX ONLY)
	613 160 6098	CUSHION,FRONT (VHR-795G,775G,795EX,775EX)
OR	613 160 9143	CUSHION,FRONT(VHR-795E,775E)
	613 160 6104	CUSHION,BACK (VHR-795G,775G,795EX,775EX)
OR	613 160 9150	CUSHION,BACK(VHR-795E,775E)
	613 139 8047	POLYE COVER,INNER-K(VHR-795G,775G)
OR	613 099 1768	POLYE COVER,INNER-K (VHR-795E,775E,795EX,775EX)

****

CABINET & CHASSIS PARTS

LOCATION	PARTS NO.	DESCRIPTION
CH-1	411 137 0007	SCR L-TPG BIN 3X10
CH-2	411 021 7907	SCR S-TPG BIN 4X12
CH-3	613 160 3363	COMPL PWB,VP-1
CH-4	412 052 5108	SPECIAL SCREW-2.6X12
CH-5	412 028 9406	SPECIAL SCREW
CH-6	613 160 6036	COVER TOP (VHR-795G,775G,795EX,775EX)
OR	613 160 8931	COMPL,COVER TOP(VHR-795E,775E)
CH-7	411 021 3800	SCR S-TPG BIN 3X10
CH-8	613 160 5527	TERMINAL(EXCEPT VHR-795E)
OR	613 163 6415	TERMINAL(VHR-795E ONLY)
CH-9	613 160 3615	COMPL PWB,PW-1
CH-10	613 160 3998	COMPL PWB,CP-1-A(VHR-795G ONLY)
OR	613 160 4001	COMPL PWB,CP-1-A(VHR-775G ONLY)
OR	613 161 6905	COMPL PWB,CP-1-A(VHR-795E ONLY)
OR	613 161 6912	COMPL PWB,CP-1-A(VHR-775E ONLY)
CH-10	613 162 4788	COMPL PWB,CP-1-A(VHR-795EX ONLY)
OR	613 162 9349	COMPL PWB,CP-1-A(VHR-775EX ONLY)
OR	645 007 1508	TUNER,RF/TU/IF (VHR-795G,775G,795EX,775EX)
OR	645 007 6626	TUNER,RF/TU/IF(VHR-795E,775E)
CH-12	411 137 0007	SCR L-TPG BIN 3X10(VHR-795E ONLY)
CH-13	613 158 5751	COMPL PCB,TM-9(VHR-795G,795E,795EX)
OR	613 134 4730	COMPL PCB,TM-8(VHR-775G ONLY)
OR	613 165 1722	COMPL PWB,TM-7(ASSEMBLED FOR VHR-775EX & OPTION FOR VHR-775E)
CH-14	613 161 0200	COMPL PWB,TN-3(VHR-795G,775G)
OR	613 161 6226	COMPL PWB,TN-5 (VHR-795E,775E,795EX,775EX)
CH-15	613 160 3578	COMPL PWB,AD-5(VHR-795G ONLY)
OR	613 161 6189	COMPL PWB,AD-5(VHR-795E,795EX)
CH-16	613 163 5937	COMPL PWB,TB-1(VHR-795E ONLY)
CH-17	613 160 5091	COVER BOTTOM
CH-18	613 053 8048	FIXER
CH-19	613 160 5022	COMPL PWB,TB-2(VHR-795G,795EX)
CH-20	613 160 4131	COMPL PWB,TM-1(VHR-795G,795E,795EX)
OR	613 160 8030	COMPL PWB,TM-1(VHR-775G,775E,775EX)
CH-21	613 160 6043	DOOR CASSETTE(VHR-795G ONLY)
OR	613 160 6050	DOOR CASSETTE(VHR-775G ONLY)
OR	613 161 7971	DOOR CASSETTE(VHR-795E ONLY)
OR	613 161 7988	DOOR CASSETTE(VHR-775E ONLY)
OR	613 162 5235	DOOR CASSETTE(VHR-795EX ONLY)
OR	613 162 9998	DOOR CASSETTE(VHR-775EX ONLY)
CH-22	613 153 0478	SPRING
CH-23	613 159 0809	ASSY,CABINET FRONT(VHR-795G,795EX)
OR	613 161 1405	ASSY,CABINET FRONT(VHR-775G,775EX)
OR	613 161 7896	ASSY,CABINET FRONT(VHR-795E ONLY)
OR	613 160 8887	ASSY,CABINET FRONT(VHR-775E ONLY)
CH-24	613 160 3585	COMPL PWB,AD-1(VHR-795G ONLY)
OR	613 160 5015	COMPL PWB,AD-1(VHR-775G ONLY)
OR	613 161 6196	COMPL PWB,AD-1(VHR-795E,795EX)
OR	613 161 6202	COMPL PWB,AD-1(VHR-775E,775EX)
CH-25	613 121 1001	STAND,FELT,FRONT
CH-29	411 001 1901	SCR S-TPG BIN 3X6

Undesignated numeral shows
Location No.:CH-
N.S.P.:Not available as service parts



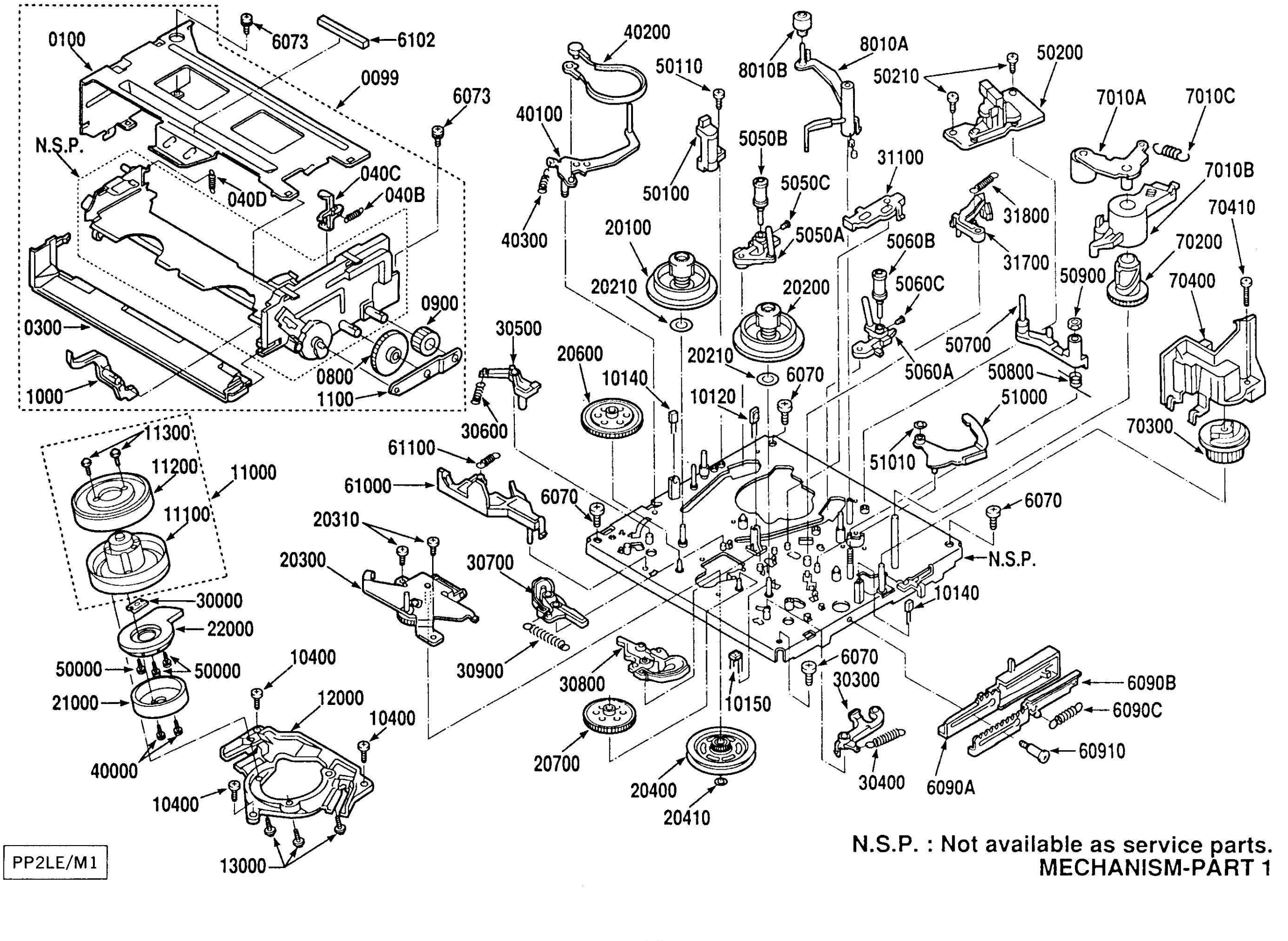
CH-PP4H/E

CABINET & CHASSIS PARTS

MECHANISM PARTS

MECHANISM PARTS 1

LOCATION	PARTS NO.	DESCRIPTION
11000	613 164 5974	COMPL,CYLINDER,4H6P-R2
OR	613 164 5981	COMPL,CYLINDER,4H6P-R2
11100	613 095 9881	ASSY,CYLINDER,LWR 6K
OR	613 096 2751	ASSY,CYLINDER,LWR 6K
11200	613 164 5998	ASSY,CYLINDER,UPR 4H6P-R2
OR	613 164 6001	ASSY,CYLINDER,UPR 4H6P-R2
11300	411 038 1608	SCR PAN+W 3X8
12000	613 155 0759	MOUNTING,CYLINDER
OR	613 159 8980	MOUNTING,CYLINDER
13000	411 047 4805	SCR PAN+FLG 2.6X6
OR	412 048 8601	SPECIAL SCREW-2.6X7
21000	613 022 4019	ROTOR,MOTOR CYL
22000	645 008 4454	MOTOR,STATOR,CYL DC 2W
30000	613 097 2170	SPACER,MOTOR
40000	412 036 0808	SPECIAL SCREW 2.3X6
OR	412 036 5001	SPECIAL SCREW 2.3X6
50000	412 036 0709	SPECIAL SCREW 2.3X10
OR	412 036 4905	SPECIAL SCREW 2.3X10
0099	613 152 0578	COMPL,CASSETTE MECHANISM
0100	613 152 0738	STAND,L
0300	613 152 0660	FRAME,UNDER
040B	613 152 0417	SPRING,LID OPENER
040C	613 152 0707	LEVER,RELEASE
040D	613 152 0424	SPRING,TRAY LOCK
0800	613 152 2794	GEAR,LOCK
0900	613 152 2800	GEAR,PINION
1000	613 151 9480	LEVER,DOOR OPENER
1100	613 151 9299	HOLDER,GEAR
6070	411 021 7907	SCR S-TPG BIN 4X12
6073	412 048 8205	SPECIAL SCREW-2.6X6
6102	613 151 6618	PAD
10120	407 162 1102	LED LN59L,(D8003)
10140	407 162 8705	PHOTO DIODE PN263L-(NC)
10150	407 043 0101	PHOTO DIODE ON2170-R
10400	412 048 8106	SPECIAL SCREW-2.6X8
20100	613 160 5503	ASSY,REEL SUPPLY
20200	613 160 4193	ASSY,REEL TAKE UP
20210	412 021 5306	SPECIAL WASHER 3.1X6X0.3
OR	412 015 8900	SPECIAL WASHER 3.1X6X0.4
OR	412 015 8504	SPECIAL WASHER 3.1X6X0.5
20300	613 151 8889	COMPL,MOUNTING CLUTCH
20310	412 048 7505	SPECIAL SCREW-2.6X4
20400	613 151 9701	PULLEY,REEL
20410	412 045 4606	SPECIAL WASHER 2.4X6X0.25
20600	613 152 2749	GEAR,REEL S
20700	613 152 2756	GEAR,REEL T
30300	613 160 3356	ASSY,BRAKE SOFT T
30400	613 152 0295	SPRING,SOFT T
30500	613 151 9411	LEVER,SOFT S
30600	613 152 0318	SPRING,SOFT S
30700	613 160 6166	ASSY,BRAKE,S
30800	613 159 2193	ASSY,BRAKE T
30900	613 163 6996	SPRING,BRAKE
31100	613 152 0189	SLIDE,ACT BRAKE T
31700	613 151 8490	ASSY,BRAKE CAPSTAN
31800	613 152 0356	SPRING,BRAKE CAPSTAN
40100	613 151 8759	ASSY,LEVER,BT
40200	613 160 5282	ASSY,BRAKE,BAND
40300	613 152 0271	SPRING,BT
50100	645 008 9749	HEAD,ERASE FULL
50110	412 048 9707	SPECIAL SCREW-2.6X10
50200	645 008 5192	ASSY,HEAD,R/P ACE
50210	412 052 3500	SPECIAL SCREW 2.6X12
5050A	613 151 8858	ASSY,MOUNTING,INCLINE S


0100
6073
6102
0099
6073
N.S.P.
040C
040D
040B
0900
0300
0800
1100
1000
40200
50110
40100
40300
8010A
8010B
50210
50200
7010A
7010C
7010B
5050B
31100
50100
5050C
5050A
31800
70410
20100
5060B
31700
70200
20210
20200
5060C
50900
70400
30500
20600
10140
20210
6070
5060A
50700
50800
51000
10120
30600
70300
11300
11200
11000
61100
61000
6070
51010
6070
11100
20310
20300
30700
N.S.P.
10140
30000
22000
50000
50000
10400
30900
6070
30300
6090B
6090C
21000
12000
30800
10150
10400
60910
40000
20700
20400
30400
6090A
10400
20410
13000

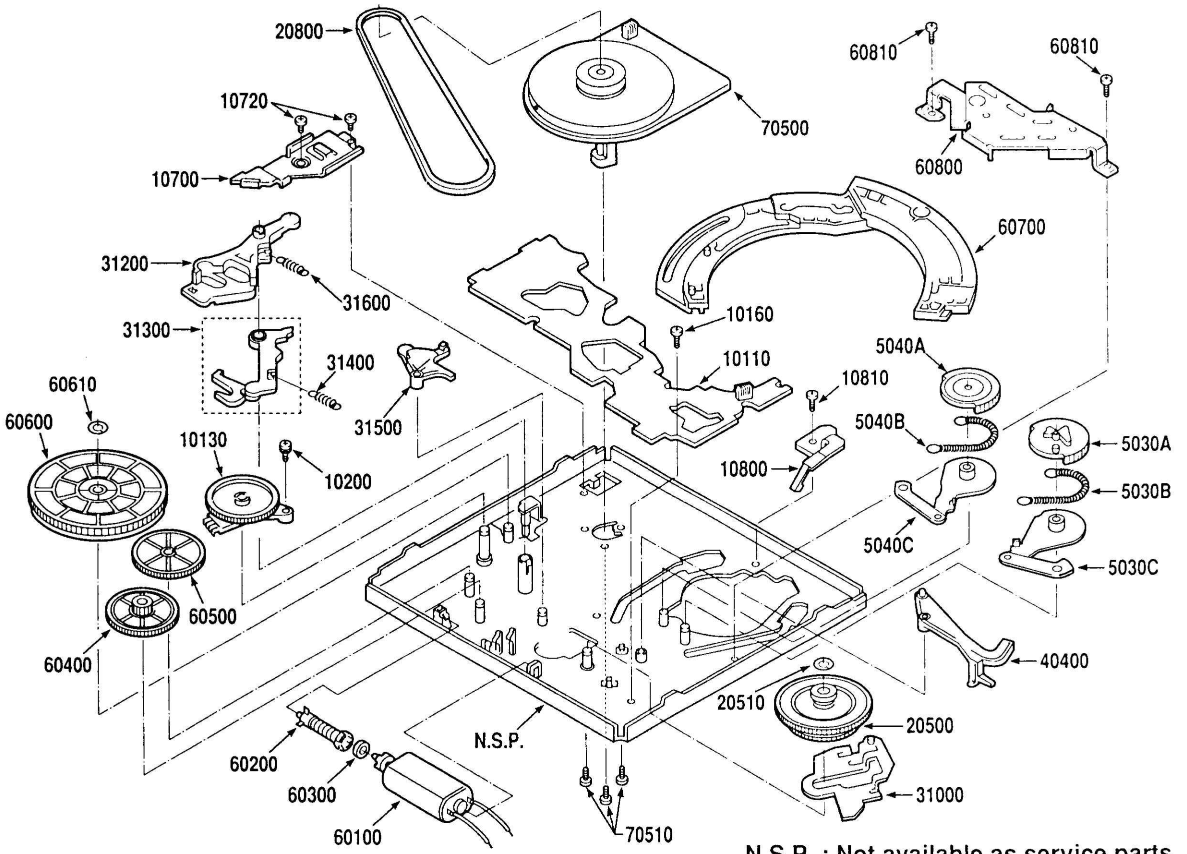
PP2LE/M1

N.S.P. : Not available as service parts.
MECHANISM-PART 1

LOCATION	PARTS NO.	DESCRIPTION
5050B	613 022 0233	ASSY,GUIDE,ROLLER
5050C	412 048 4504	SPECIAL SCREW-2X3
5060A	613 151 8872	ASSY,MOUNTING INCLINE T
5060B	613 022 0233	ASSY,GUIDE,ROLLER
5060C	412 048 4504	SPECIAL SCREW-2X3
50700	613 164 4762	ASSY,LEVER,LOAD
50800	613 152 0387	SPRING,LEVER L GUIDE
50900	412 048 8908	SPECIAL NUT-3X3
51000	613 161 2365	ASSY,LEVER,ACT L GUIDE
51010	412 033 4106	WASHER SLIT 2.6X5X0.50
6090A	613 151 9152	GEAR,RACK FRONT
OR	613 160 4636	GEAR,RACK FRONT
6090B	613 151 9114	GEAR,RACK START
6090C	613 152 0226	SPRING,RACK FRONT
60910	412 050 2802	SPECIAL SCREW-2.6X6
61000	613 151 9398	LEVER,EP SW
61100	613 152 3692	SPRING,EP SW
7010A	613 151 8803	ASSY,LEVER,PINCH ROLLER
7010B	613 156 6033	MOUNTING,LIFT PINCH
7010C	613 152 0233	SPRING,PINCH ROLLER
70200	613 156 3841	CAM,LIFT PINCH
70300	613 152 0677	GEAR,CAM PINCH
70400	613 152 0714	MOUNTING,OPENER
70410	412 049 1106	SPECIAL SCREW-2.6X16
8010A	613 159 7273	LEVER,CLEANER(EXCEPT VHR-775EX)
8010B	613 158 5829	ASSY,ROLLER,CLEANER (EXCEPT VHR-775EX)

MECHANISM PARTS 2

LOCATION	PARTS NO.	DESCRIPTION
10110	613 160 1574	COMPL PWB,MC-1
10130	645 007 1560	SWITCH,MODE 1P-1T
10160	412 048 7505	SPECIAL SCREW-2.6X4
10200	412 048 8304	SPECIAL SCREW-2.6X8
10700	613 153 0836	MOUNTING,HARNESS
10720	412 048 9608	SPECIAL SCREW-2.6X3
10800	613 151 8582	ASSY,EARTH CYL
10810	412 048 8007	SPECIAL SCREW-2.6X6
20500	613 160 4186	ASSY,GEAR,FRICTION
20510	411 109 1605	WASHER Y 2.6X6X0.25
20800	613 151 9039	BELT,REEL
31000	613 152 0165	SLIDE,ACT BRAKE S
31200	613 159 0991	LEVER,CONTROL BRAKE
31300	613 159 0847	COMPL,LEVER,ACT BRAKE
31400	613 152 0332	SPRING,RETURN BRAKE
31500	613 151 9459	LEVER,CHANGE CLUTCH
31600	613 152 0349	SPRING,CHANGE CLUTCH
40400	613 153 7583	ASSY,LEVER SPRING BT
5030A	613 152 2763	GEAR,LOAD S
5030B	613 152 0370	SPRING,LOAD S
5030C	613 151 8766	ASSY,LEVER,LOAD S
5040A	613 152 2770	GEAR,LOAD T
5040B	613 152 0363	SPRING,LOAD T
5040C	613 151 8773	ASSY,LEVER,LOAD T
60100	645 003 4305	ASSY,MOTOR LOADING
60200	613 151 8599	COMPL,GEAR,WORM
60300	613 151 9107	DAMPER
60400	613 151 9138	GEAR,WHEEL 1
60500	613 160 3790	GEAR,WHEEL 2
60600	613 156 4008	CAM,MAIN
60610	412 051 6700	SPECIAL WASHER 3.6X0.5
60700	613 159 9017	SLIDE,CRESCENT
60800	613 159 8997	MOUNTING,CRESCENT
60810	412 048 8007	SPECIAL SCREW-2.6X6
70500	645 008 1880	MOTOR,CAPSTAN DC 3W
70510	412 048 7604	SPECIAL SCREW-2.6X6



N.S.P. : Not available as service parts.
MECHANISM-PART 2

ELECTRICAL PARTS

NOTE;

1. Materials of Capacitors and Resistors are abbreviated as follows;

Resistors

MT-FILM	Metallized Film Resistor
MT-GLAZE	Metallized Glaze Resistor
OXIDE-MT	Oxide Metallized Film Resistor

Capacitors

MT-POLYEST	Metallized Polyester Capacitor
MT-COMPO	Metallized Composite Capacitor
TA-SOLID	Tantalum Solid Capacitor
AL-SOLID	Aluminum Solid Capacitor
NP-ELECT	Non-Polarized Electrolytic Capacitor
OS-SOLID	Aluminum Solid Capacitors with Organic Semiconductive Electrolytic Capacitor
DL-ELECT	Double Layered Electrolytic Capacitor

2. Tolerance of Capacitor(10pF over) and Resistor are noted with follow symboles.

F ············ ±1%　G ············ ±2%　J ············ ±5%　K ············ ±10%
M ············ ±20%　N ············ ±30%　Z ············ +80% ~ −20%

3. Capacitors

U : uF　P : pF

4. Inductors

UH : uH　MH : mH

5. N.S.P. : Not available as service parts.
6. The ceramic capacitors and resistors mounted on the PWB,may be two different types of parts,chip(leadless)type or discrete(with lead wire)type.Therefore,even though the location number is the same,you may encounter either chip or discrete parts on the PWB.

LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,CP-1-A		
COMPL.NO	613 160 3998	(VHR-795G)
COMPL.NO	613 160 4001	(VHR-775G)
COMPL.NO	613 161 6905	(VHR-795E)
COMPL.NO	613 161 6912	(VHR-775E)
COMPL.NO	613 162 4788	(VHR-795EX)
COMPL.NO	613 162 9349	(VHR-775EX)
(SEMICONDUCTORS)		
Q1001	405 057 6201	TR 2SC4038-Q
OR	405 057 6409	TR 2SC4038-R
OR	405 123 7002	TR 2SD1991A-Q
OR	405 123 7101	TR 2SD1991A-R
Q1002	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
Q1003	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
OR	405 099 8607	*R 2SC4640T-AC
Q1004	405 018 2501	TR 2SC3399
OR	405 000 6104	TR DTC144ES
Q1005	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
Q1201	405 006 1806	TR 2SA933S-R
OR	405 099 8409	TR 2SA1782T-AC
Q1211	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
Q1221	405 057 6201	TR 2SC4038-Q
OR	405 057 6409	TR 2SC4038-R
OR	405 123 7002	TR 2SD1991A-Q
OR	405 123 7101	TR 2SD1991A-R
Q1222	405 064 0100	TR 2SA1561-Q
OR	405 064 0209	TR 2SA1561-R
OR	405 123 6708	TR 2SB1320A-Q
OR	405 123 6807	TR 2SB1320A-R
Q1401	405 006 1707	TR 2SA933S-Q
OR	405 093 0508	TR KSA1175-Y

LOCATION	PARTS NO.	DESCRIPTION
Q1401	405 006 1806	TR 2SA933S-R
OR	405 099 8201	TR 2SA1782S
OR	405 099 8409	TR 2SA1782T-AC
Q3503	405 063 9708	TR DTC144EL
Q3504	405 063 9708	TR DTC144EL
Q3551	405 057 6201	TR 2SC4038-Q
OR	405 057 6409	TR 2SC4038-R
OR	405 123 7002	TR 2SD1991A-Q
OR	405 123 7101	TR 2SD1991A-R
Q3552	405 057 6201	TR 2SC4038-Q
OR	405 057 6409	TR 2SC4038-R
OR	405 123 7002	TR 2SD1991A-Q
OR	405 123 7101	TR 2SD1991A-R
Q3553	405 057 6201	TR 2SC4038-Q
OR	405 057 6409	TR 2SC4038-R
OR	405 123 7002	TR 2SD1991A-Q
OR	405 123 7101	TR 2SD1991A-R
Q5001	405 094 6905	TR 2SK1460
OR	405 126 0208	TR 2SK1460LS
Q5002	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
Q5003	405 006 6702	TR 2SA984-F
OR	405 006 7204	TR 2SA984K-F
Q5004	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
Q5101	405 089 2103	TR 2SC4483-S
OR	405 089 2202	TR 2SC4483-T
Q5102	405 013 6801	TR 2SC2274-E
OR	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
OR	405 013 7204	TR 2SC2274K-E
Q5103	405 013 6801	TR 2SC2274-E
OR	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
OR	405 013 7204	TR 2SC2274K-E
Q6001	405 073 6407	TR 2SK772-E(VHR-795E,775E)
OR	405 073 6506	TR 2SK772-F(VHR-795E,775E)
OR	405 026 9004	TR 2SK222-D(VHR-795E,775E)
OR	405 026 9103	TR 2SK222-E(VHR-795E,775E)
OR	405 114 7806	TR 2SK1104-P(VHR-795E,775E)
OR	405 114 7905	TR 2SK1104-Q(VHR-795E,775E)

LOCATION	PARTS NO.	DESCRIPTION
Q6001	405 114 8001	TR 2SK1104-R(VHR-795E,775E)
Q6002	405 018 2501	TR 2SC3399(VHR-795E,775E)
OR	405 000 6104	TR DTC144ES(VHR-795E,775E)
Q6004	405 018 9500	TR 2SC3901 (VHR-795E,775E,795EX,775EX)
Q6005	405 003 7603	TR 2SA1345 (VHR-795E,775E,795EX,775EX)
OR	405 000 2205	TR DTA144ES (VHR-795E,775E,795EX,775EX)
Q6006	405 018 2501	TR 2SC3399 (VHR-795E,775E,795EX,775EX)
OR	405 000 6104	TR DTC144ES (VHR-795E,775E,795EX,775EX)
Q6008	405 099 8508	TR 2SC4640S (VHR-795E,775E,795EX,775EX)
OR	405 011 8401	TR 2SC1740S-Q (VHR-795E,775E,795EX,775EX)
OR	405 093 0607	TR KSC2785-Y (VHR-795E,775E,795EX,775EX)
OR	405 011 8500	TR 2SC1740S-R (VHR-795E,775E,795EX,775EX)
Q6901	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
Q6902	405 006 1707	TR 2SA933S-Q
OR	405 093 0508	TR KSA1175-Y
OR	405 006 1806	TR 2SA933S-R
OR	405 099 8201	TR 2SA1782S
OR	405 099 8409	TR 2SA1782T-AC
Q6903	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 011 8500	TR 2SC1740S-R
OR	405 099 8508	TR 2SC4640S
Q6904	405 063 9708	TR DTC144EL
Q6921	405 084 8209	TR 2SC2960-F-SPA(VHR-795E,775E)
OR	405 084 8308	TR 2SC2960-G-SPA(VHR-795E,775E)
(INTEGRATED CIRCUITS)		
IC102	409 328 6907	IC LC89970M
IC111	409 120 3401	IC LA7221
IC141	410 225 2701	IC LC74783M-9083
OR	410 228 1404	IC LC74783M-9095
IC301	410 230 5209	IC LC866744A-5758 (VHR-795G,775G,795EX,775EX)
OR	410 230 9306	IC LC866744A-5761(VHR-795E,775E)
IC302	409 314 2005	IC LB1643
IC303	409 313 0903	IC MN1381-L
OR	409 243 4101	IC MN1380-L
IC351	409 323 3109	IC BU2896K
IC512	409 225 2309	IC PQ12RF11
IC602	410 177 3702	IC AT24C04-10PC (VHR-795G,775G,795EX,775EX)
OR	410 172 6906	IC X24C04P-C7346 (VHR-795G,775G,795EX,775EX)
OR	409 348 6901	IC XL24C04P (VHR-795G,775G,795EX,775EX)
OR	410 189 5800	IC 24LC04B/P (VHR-795G,775G,795EX,775EX)
OR	410 177 3603	IC AT24C02-10PC(VHR-795E,775E)
OR	410 172 6807	IC X24C02P-C7189(VHR-795E,775E)
OR	409 348 6802	IC XL24C02P(VHR-795E,775E)
OR	410 189 5701	IC 24LC02B/P(VHR-795E,775E)
IC692	409 026 8203	IC L5631(VHR-795E,775E)
OR	409 057 5103	IC UPC574J(VHR-795E,775E)

LOCATION	PARTS NO.	DESCRIPTION
(DIODES)		
D1101	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D1102	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D1103	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
OR	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
D1104	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
OR	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
D1201	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D1202	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D1221	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D3001	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D3102	407 012 4406	DIODE 1SS133(VHR-795E,775E)
OR	407 007 9904	DIODE GMA01(VHR-795E,775E)
D3106	407 012 4406	DIODE 1SS133(VHR-795E ONLY)
OR	407 007 9904	DIODE GMA01(VHR-795E ONLY)
D3107	407 012 4406	DIODE 1SS133(VHR-795G,795EX)
OR	407 007 9904	DIODE GMA01(VHR-795G,795EX)
D3111	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D3112	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
OR	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
D3113	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D3116	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D3121	407 012 4406	DIODE 1SS133 (VHR-795G,775G,795EX,775EX)
OR	407 007 9904	DIODE GMA01 (VHR-795G,775G,795EX,775EX)
D3122	407 012 4406	DIODE 1SS133(VHR-795E,775E)
OR	407 007 9904	DIODE GMA01(VHR-795E,775E)
D3123	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
OR	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
D3502	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D3554	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D5001	407 134 8900	DIODE DBC10G
D5003	407 078 2705	DIODE 1SS244
D5010	407 091 6704	DIODE AP01C
D5101	407 169 5707	DIODE RL2Z-LF-C4
OR	407 160 9308	DIODE ERB93-02L3
D5102	407 169 5707	DIODE RL2Z-LF-C4
OR	407 160 9308	DIODE ERB93-02L3
D5103	407 078 2705	DIODE 1SS244
D5104	407 078 2705	DIODE 1SS244
D5105	407 100 6909	DIODE AG01
OR	407 091 6902	DIODE ERA38-04
D5106	407 063 8903	ZENER DIODE MTZJ5.6C
D5107	407 063 8903	ZENER DIODE MTZJ5.6C
D5108	407 063 8903	ZENER DIODE MTZJ5.6C
D5109	407 099 6706	ZENER DIODE MTZJ13A
D5110	407 004 9709	DIODE DSK10C
OR	407 005 8701	DIODE ERA15-02
D6901	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D6902	407 012 4406	DIODE 1SS133
OR	407 007 9904	DIODE GMA01
D6903	407 012 4406	DIODE 1SS133

LOCATION	PARTS NO.	DESCRIPTION
D6903	407 007 9904	DIODE GMA01
D6910	407 100 0006	ZENER DIODE MTZJ33C
		(VHR-795G,775G,795EX,775EX)
(CRYSTAL DEVICES)		
X1001	645 000 6012	OSC,CRYSTAL 4.433619MHZ
OR	645 000 6029	OSC,CRYSTAL 4.433619MHZ
OR	645 002 4436	OSC,CRYSTAL 4.433619MHZ
X1401	613 002 8709	CRYSTAL 17.734475MHZ
OR	613 127 1555	OSC,CRYSTAL 17.734475MHZ
X3001	645 007 8460	OSC,CERAMIC 8.500MHZ
OR	645 008 8360	OSC,CERAMIC 8.500MHZ
X3002	645 004 1938	OSC,CRYSTAL 32.768KHZ
OR	613 109 0972	OSC,CRYSTAL 32KHZ
(VARIABLE RESISTORS)		
VR351	645 003 5166	VR,SEMI,220K N
OR	645 003 5593	VR,SEMI,220K N
(INDUCTORS)		
L1001	645 003 7917	INDUCTOR,100U J
OR	645 001 4574	INDUCTOR 100U J
L1002	645 001 4574	INDUCTOR 100U J
OR	645 003 7917	INDUCTOR,100U J
L1003	645 003 7955	INDUCTOR,15U J
OR	645 002 1428	INDUCTOR 15U J
L1004	645 000 4070	CORE,BEAD
OR	645 008 7394	CORE,BEAD
L1007	645 000 4070	CORE,BEAD
OR	645 008 7394	CORE,BEAD
L1201	645 008 7400	CORE,BEAD(EXCEPT VHR-795E)
L3001	645 000 4070	CORE,BEAD
OR	645 008 7394	CORE,BEAD
L3003	645 000 4070	CORE,BEAD
OR	645 008 7394	CORE,BEAD
L5001 ⚠	645 002 1886	LINE FILTER
L5002 ⚠	645 003 3858	LINE FILTER
L5010	645 006 3602	INDUCTOR,1.1UH
L5101	645 006 3602	INDUCTOR,1.1UH
L5102	645 006 3602	INDUCTOR,1.1UH
L5103	645 009 3791	CORE,BEAD
L6008	645 001 4550	INDUCTOR 10U K(VHR-795E,775E)
OR	645 003 7900	INDUCTOR,10U K(VHR-795E,775E)
L6009	645 003 6910	INDUCTOR,10U J
L6602	645 003 7900	INDUCTOR,10U K
OR	645 001 4550	INDUCTOR 10U K
L6604	645 005 3856	INDUCTOR,1U M
OR	645 006 3886	INDUCTOR,1U K
(TRANSFORMERS)		
T5001 ⚠	645 009 0011	TRANS,POWER,PULSE
T6901	613 109 0958	TRANS,IF
OR	613 109 0965	TRANS,IF
OR	645 002 9356	TRANS,IF 15.625KHZ
(CAPACITORS)		
C1001	403 142 9205	CERAMIC 0.1U Z 25V
C1002	403 120 9609	CERAMIC 0.047U J 16V
C1003	403 069 5601	CERAMIC 0.01U K 50V
C1004	403 142 9205	CERAMIC 0.1U Z 25V
C1005	403 069 5601	CERAMIC 0.01U K 50V
C1006	403 069 5601	CERAMIC 0.01U K 50V
C1007	403 024 7206	CERAMIC 390P J 50V
C1008	403 120 9005	CERAMIC 0.022U J 16V
C1010	403 120 9609	CERAMIC 0.047U J 16V
C1011	403 069 5601	CERAMIC 0.01U K 50V
C1012	403 014 9302	CERAMIC 180P J 50V
C1013	403 120 9609	CERAMIC 0.047U J 16V
C1015	403 069 5601	CERAMIC 0.01U K 50V
C1016	403 069 5601	CERAMIC 0.01U K 50V
C1017	403 069 5601	CERAMIC 0.01U K 50V
C1018	403 069 5601	CERAMIC 0.01U K 50V
C1019	403 142 9205	CERAMIC 0.1U Z 25V
C1020	403 069 5601	CERAMIC 0.01U K 50V
C1021	403 069 5601	CERAMIC 0.01U K 50V
C1022	403 009 5807	CERAMIC 100P J 50V
C1023	403 189 2405	ELECT 10U M 16V
C1024	403 163 7907	ELECT 47U M 6.3V
C1025	403 109 6308	ELECT 1U M 50V
C1026	403 107 9905	ELECT 10U M 16V
C1027	403 191 8709	ELECT 1U M 50V
C1030	403 191 8709	ELECT 1U M 50V
C1031	403 191 8709	ELECT 1U M 50V
C1032	403 191 8709	ELECT 1U M 50V
C1034	403 008 7505	CERAMIC 10P D 50V
C1036	403 142 9205	CERAMIC 0.1U Z 25V
C1037	403 031 2201	CERAMIC 680P J 50V
C1038	403 018 0602	CERAMIC 22P J 50V
C1039	403 030 7009	CERAMIC 68P J 50V
C1040	403 030 7009	CERAMIC 68P J 50V
C1042	403 068 5107	CERAMIC 0.047U Z 25V
C1045	403 023 4503	CERAMIC 330P J 50V
C1052	403 068 5107	CERAMIC 0.047U Z 25V
C1053	403 142 9205	CERAMIC 0.1U Z 25V
C1054	403 109 6308	ELECT 1U M 50V
C1055	403 135 4002	ELECT 47U M 6.3V
C1056	403 109 6308	ELECT 1U M 50V
C1057	403 150 6500	ELECT 22U M 16V
C1058	403 189 2405	ELECT 10U M 16V
C1059	403 191 8709	ELECT 1U M 50V
C1061	403 069 5601	CERAMIC 0.01U K 50V
C1063	403 142 9205	CERAMIC 0.1U Z 25V
C1065	403 033 4609	CERAMIC 82P J 50V
C1101	403 130 2904	ELECT 0.47U M 50V
C1102	403 107 9905	ELECT 10U M 16V
C1103	403 068 5107	CERAMIC 0.047U Z 25V
C1104	403 107 9905	ELECT 10U M 16V
		(VHR-795G,795E,795EX)
C1201	403 135 4101	ELECT 470U M 6.3V
C1202	403 142 9205	CERAMIC 0.1U Z 25V
C1211	403 022 8304	CERAMIC 33P J 50V
C1401	403 012 6808	CERAMIC 15P J 50V
C1402	403 012 6808	CERAMIC 15P J 50V
C1403	403 191 8709	ELECT 1U M 50V
C1404	403 069 5601	CERAMIC 0.01U K 50V
C1405	403 135 4002	ELECT 47U M 6.3V
C2101	403 069 5601	CERAMIC 0.01U K 50V
C2102	403 069 5601	CERAMIC 0.01U K 50V
C2107	403 018 7502	CERAMIC 220P J 50V
		(EXCEPT VHR-795E)
C2108	403 018 7502	CERAMIC 220P J 50V
		(EXCEPT VHR-795E)
C2109	403 069 1702	CERAMIC 1000P K 50V
		(EXCEPT VHR-795E)
C2110	403 069 1702	CERAMIC 1000P K 50V
		(EXCEPT VHR-795E)
C3001	403 016 8907	CERAMIC 20P J 50V
C3002	403 017 7404	CERAMIC 22P J 50V
C3004	403 001 1906	CERAMIC 0.01U M 16V
C3005	403 001 1906	CERAMIC 0.01U M 16V
C3008	403 150 6500	ELECT 22U M 16V

LOCATION	PARTS NO.	DESCRIPTION			
C3009	403 069 5601	CERAMIC	0.01U	K	50V
C3010	403 139 2905	ELECT	2.2U	M	50V
C3011	403 142 9205	CERAMIC	0.1U	Z	25V
C3012	403 001 1906	CERAMIC	0.01U	M	16V
C3014	403 206 9004	ELECT	1000U	M	6.3V
C3016	403 069 5601	CERAMIC	0.01U	K	50V
C3017	403 069 1702	CERAMIC	1000P	K	50V
		(VHR-795E,775E)			
C3018	403 139 1007	ELECT	47U	M	6.3V
C3020	403 069 5601	CERAMIC	0.01U	K	50V
		(VHR-795E,775E)			
C3022	403 294 6008	DL-ELECT	0.1F	Z	5.5V
C3034	403 069 5601	CERAMIC	0.01U	K	50V
C3095	403 142 9205	CERAMIC	0.1U	Z	25V
C3096	403 121 9509	CERAMIC	0.1U	Z	50V
C3501	403 070 9803	CERAMIC	0.015U	K	50V
C3502	403 075 0706	CERAMIC	6800P	K	50V
C3503	403 070 9803	CERAMIC	0.015U	K	50V
C3504	403 228 8207	ELECT	22U	M	16V
C3505	403 228 8207	ELECT	22U	M	16V
C3506	403 075 0706	CERAMIC	6800P	K	50V
C3507	403 228 8207	ELECT	22U	M	16V
C3508	403 228 8207	ELECT	22U	M	16V
C3509	403 163 7907	ELECT	47U	M	6.3V
C3511	403 071 6504	CERAMIC	220P	K	50V
C3512	403 061 3407	POLYESTER	0.039U	J	50V
C3513	403 119 6701	CERAMIC	0.068U	K	16V
C3514	403 175 1009	MT-POLYEST	0.15U	J	50V
C3515	403 059 6205	POLYESTER	0.022U	K	50V
C3516	403 071 8102	CERAMIC	2200P	K	50V
C3517	403 070 8806	CERAMIC	1500P	K	50V
C3522	403 069 1702	CERAMIC	1000P	K	50V
C3523	403 191 8709	ELECT	1U	M	50V
C3524	403 069 5601	CERAMIC	0.01U	K	50V
C3525	403 130 2904	ELECT	0.47U	M	50V
C3526	403 063 7205	POLYESTER	0.082U	J	50V
C3530	403 135 4002	ELECT	47U	M	6.3V
C3536	403 193 7601	ELECT	220U	M	6.3V
C3540	403 009 5708	CERAMIC	100P	J	50V
C3551	403 175 0903	MT-POLYEST	0.12U	J	50V
C3552	403 028 4201	CERAMIC	56P	J	50V
C3553	403 191 8709	ELECT	1U	M	50V
C3554	403 013 3103	CERAMIC	150P	J	50V
C3556	403 069 1702	CERAMIC	1000P	K	50V
C3558	403 149 0700	ELECT	33U	M	16V
C3570	403 142 9205	CERAMIC	0.1U	Z	25V
C3571	403 142 9205	CERAMIC	0.1U	Z	25V
C5001 ⚠	404 060 1708	MT-POLYEST	0.068U	M	250V
C5002 ⚠	404 060 1708	MT-POLYEST	0.068U	M	250V
C5005 ⚠	404 032 8704	CERAMIC	2200P	M	400V
C5007 ⚠	404 032 8704	CERAMIC	2200P	M	400V
C5010	403 249 0204	ELECT	47U	M	400V
C5011	403 057 3107	POLYESTER	0.1U	K	50V
C5012	403 026 7501	CERAMIC	470P	J	50V
C5015	403 076 0507	CERAMIC	2200P	K	500V
C5022	403 076 2402	CERAMIC	3300P	K	500V
C5025	403 255 8409	CERAMIC	39P	J	1K
C5101	403 243 8206	ELECT	2200U	M	6.3V
C5102	403 147 9200	ELECT	1000U	M	6.3V
C5103	403 207 5005	ELECT	470U	M	16V
C5104	403 218 3106	ELECT	1000U	M	16V
C5105	403 228 8900	ELECT	100U	M	50V
C5106	403 228 9600	ELECT	47U	M	35V
C5107	403 243 7803	ELECT	220U	M	6.3V
C5111	403 134 6007	ELECT	330U	M	16V
C5112	403 107 9905	ELECT	10U	M	16V
C5113	403 135 7805	ELECT	3.3U	M	50V

LOCATION	PARTS NO.	DESCRIPTION			
C5114	403 107 9905	ELECT	10U	M	16V
C5115	403 135 7805	ELECT	3.3U	M	50V
C5116	403 189 2405	ELECT	10U	M	16V
C6004	403 168 6103	MT-POLYEST	0.1U	J	50V
		(VHR-795E,775E)			
C6005	403 142 9205	CERAMIC	0.1U	Z	25V
		(VHR-795E,775E)			
C6006	403 068 5107	CERAMIC	0.047U	Z	25V
		(VHR-795E,775E)			
C6007	403 189 2405	ELECT	10U	M	16V
C6008	403 068 3608	CERAMIC	0.033U	Z	25V
		(VHR-795E,775E,795EX,775EX)			
C6009	403 134 9602	ELECT	47U	M	16V
C6010	403 071 8102	CERAMIC	2200P	K	50V
		(VHR-795E,775E)			
C6018	403 121 9509	CERAMIC	0.1U	Z	50V
C6054	403 167 7002	ELECT	4.7U	M	50V
		(VHR-795E,775E,795EX,775EX)			
C6055	403 121 3507	ELECT	4.7U	M	50V
		(VHR-795E,775E,795EX,775EX)			
C6056	403 024 7107	CERAMIC	390P	J	50V
		(VHR-795E,775E,795EX,775EX)			
C6091	403 033 4609	CERAMIC	82P	J	50V
		(VHR-795G,775G,795EX,775EX)			
C6601	403 107 9905	ELECT	10U	M	16V
C6602	403 107 9905	ELECT	10U	M	16V
C6902	403 068 5107	CERAMIC	0.047U	Z	25V
C6904	403 189 2405	ELECT	10U	M	16V
C6906	403 142 8802	CERAMIC	0.022U	Z	25V
C6907	403 193 8400	ELECT	0.22U	M	50V
C6908	403 142 9205	CERAMIC	0.1U	Z	25V
C6909	403 125 5606	ELECT	100U	M	16V
C6922	403 135 7409	ELECT	22U	M	50V
C6924	403 071 2001	CERAMIC	180P	K	50V
		(VHR-795E,775E)			
C6925	403 168 6202	MT-POLYEST	0.33U	J	50V
		(VHR-795E,775E)			
C6926	403 184 9805	MT-POLYEST	0.22U	J	50V
		(VHR-795E,775E)			

(RESISTORS)

LOCATION	PARTS NO.	DESCRIPTION			
R1001	401 039 0403	MT-GLAZE	8.2K	JA	1/10W
R1002	401 037 8005	MT-GLAZE	15K	JA	1/10W
R1003	401 037 5608	MT-GLAZE	10K	JA	1/10W
R1004	401 038 9001	MT-GLAZE	680	JA	1/10W
R1005	401 038 2101	MT-GLAZE	2.7K	JA	1/10W
R1006	401 037 9200	MT-GLAZE	1.8K	JA	1/10W
R1007	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1008	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1009	401 038 0701	MT-GLAZE	2.2K	JA	1/10W
R1010	401 037 7909	MT-GLAZE	1.5K	JA	1/10W
R1011	401 038 6406	MT-GLAZE	4.7K	JA	1/10W
R1012	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1013	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1014	401 037 9200	MT-GLAZE	1.8K	JA	1/10W
R1015	401 039 0502	MT-GLAZE	82K	JA	1/10W
R1016	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1017	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1018	401 037 7909	MT-GLAZE	1.5K	JA	1/10W
R1020	401 038 3603	MT-GLAZE	3.3K	JA	1/10W
R1021	401 038 9209	MT-GLAZE	6.8K	JA	1/10W
R1022	401 037 5608	MT-GLAZE	10K	JA	1/10W
R1024	401 037 5400	MT-GLAZE	1K	JA	1/10W
R1029	401 038 0602	MT-GLAZE	220	JA	1/10W
R1030	401 039 0304	MT-GLAZE	820	JA	1/10W
R1032	401 038 3504	MT-GLAZE	330	JA	1/10W
R1035	401 037 5608	MT-GLAZE	10K	JA	1/10W
R1038	401 037 5400	MT-GLAZE	1K	JA	1/10W

LOCATION	PARTS NO.	DESCRIPTION
R1101	401 038 3504	MT-GLAZE 330 JA 1/10W
R1102	401 038 5003	MT-GLAZE 390 JA 1/10W
R1103	401 037 5400	MT-GLAZE 1K JA 1/10W
R1104	401 037 5400	MT-GLAZE 1K JA 1/10W
R1202	401 022 6702	CARBON 75 JA 1/4W (EXCEPT VHR-795E)
R1203	401 022 6702	CARBON 75 JA 1/4W
R1204	401 021 1807	CARBON 560 JA 1/4W
R1206	401 038 0602	MT-GLAZE 220 JA 1/10W
R1210	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R1211	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R1213	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R1215	401 037 5400	MT-GLAZE 1K JA 1/10W
R1218	401 038 8905	MT-GLAZE 68 JA 1/10W
R1221	401 012 6903	CARBON 10K JA 1/4W
R1222	401 012 6903	CARBON 10K JA 1/4W
R1223	401 021 2903	CARBON 5.6K JA 1/4W
R1224	401 021 2903	CARBON 5.6K JA 1/4W
R1225	401 021 0602	CARBON 56 JA 1/4W
R1226	401 012 4404	CARBON 100 JA 1/4W
R1229	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R1401	401 012 5609	CARBON 1K JA 1/4W
R2101	401 038 9001	MT-GLAZE 680 JA 1/10W
R2102	401 038 9001	MT-GLAZE 680 JA 1/10W
R2107	401 037 5400	MT-GLAZE 1K JA 1/10W (EXCEPT VHR-795E)
R2108	401 037 5400	MT-GLAZE 1K JA 1/10W (EXCEPT VHR-795E)
R2109	401 038 9001	MT-GLAZE 680 JA 1/10W (EXCEPT VHR-795E)
R2110	401 038 9001	MT-GLAZE 680 JA 1/10W (EXCEPT VHR-795E)
R3001 ⚠	402 067 7402	FUSIBLE RES 3.3 JA 1/2W
R3004	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R3008	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R3009	401 037 5608	MT-GLAZE 10K JA 1/10W
R3011	401 038 6505	MT-GLAZE 47K JA 1/10W
R3013	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R3014	401 014 9001	CARBON 16K JA 1/4W
R3015	401 037 8708	MT-GLAZE 16K JA 1/10W
R3018	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R3019	401 037 9309	MT-GLAZE 18K JA 1/10W
R3022	401 012 8006	CARBON 100K JA 1/4W (VHR-795E,775E)
R3023	401 037 5400	MT-GLAZE 1K JA 1/10W
R3024	401 037 5400	MT-GLAZE 1K JA 1/10W
R3025	401 037 5400	MT-GLAZE 1K JA 1/10W
R3026	401 037 5400	MT-GLAZE 1K JA 1/10W
R3032	401 038 3702	MT-GLAZE 33K JA 1/10W
R3036	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3047	401 038 0107	MT-GLAZE 2K JA 1/10W
R3048	401 037 7305	MT-GLAZE 1.3K JA 1/10W
R3049	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R3050	401 038 0800	MT-GLAZE 22K JA 1/10W
R3051	401 038 0800	MT-GLAZE 22K JA 1/10W
R3081	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,795E,795EX)
R3083	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,775G,795EX,775EX)
R3084	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,775G,795EX,775EX)
R3085	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R3095	401 038 6505	MT-GLAZE 47K JA 1/10W
R3096	401 038 6505	MT-GLAZE 47K JA 1/10W
R3101	401 037 5608	MT-GLAZE 10K JA 1/10W

LOCATION	PARTS NO.	DESCRIPTION
R3102	401 037 5608	MT-GLAZE 10K JA 1/10W
R3103	401 037 5608	MT-GLAZE 10K JA 1/10W
R3104	401 037 5608	MT-GLAZE 10K JA 1/10W
R3501	401 037 5707	MT-GLAZE 100K JA 1/10W
R3502	401 037 5707	MT-GLAZE 100K JA 1/10W
R3503	401 038 3801	MT-GLAZE 330K JA 1/10W
R3504	401 037 8104	MT-GLAZE 150K JA 1/10W
R3505	401 037 8005	MT-GLAZE 15K JA 1/10W
R3506	401 038 0909	MT-GLAZE 220K JA 1/10W
R3507	401 037 8104	MT-GLAZE 150K JA 1/10W
R3508	401 017 2702	CARBON 27K JA 1/4W
R3509	401 037 5202	MT-GLAZE 100 JA 1/10W
R3510	401 037 5202	MT-GLAZE 100 JA 1/10W
R3516	401 039 1004	MT-GLAZE 9.1K JA 1/10W
R3517	401 038 6505	MT-GLAZE 47K JA 1/10W
R3518	401 038 6505	MT-GLAZE 47K JA 1/10W
R3520	401 038 5409	MT-GLAZE 390K JA 1/10W
R3521	401 037 5608	MT-GLAZE 10K JA 1/10W
R3525	401 037 5400	MT-GLAZE 1K JA 1/10W
R3526	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3527	401 037 5400	MT-GLAZE 1K JA 1/10W
R3528	401 038 7106	MT-GLAZE 510 JA 1/10W
R3529	401 038 7106	MT-GLAZE 510 JA 1/10W
R3533	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R3537	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3546	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R3547	401 037 8005	MT-GLAZE 15K JA 1/10W
R3549	401 037 5608	MT-GLAZE 10K JA 1/10W
R3550	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3551	401 037 5608	MT-GLAZE 10K JA 1/10W
R3552	401 037 5707	MT-GLAZE 100K JA 1/10W
R3553	401 038 0909	MT-GLAZE 220K JA 1/10W
R3555	401 037 5707	MT-GLAZE 100K JA 1/10W
R3556	401 037 5608	MT-GLAZE 10K JA 1/10W
R3557	401 038 3801	MT-GLAZE 330K JA 1/10W
R3558	401 038 6307	MT-GLAZE 470 JA 1/10W
R3560	401 037 5400	MT-GLAZE 1K JA 1/10W
R5001	402 013 9108	SOLID 2.7M KB 1/2W
R5010	401 017 3709	CARBON 270K JA 1/4W
R5011	401 017 3709	CARBON 270K JA 1/4W
R5012	401 037 9408	MT-GLAZE 180K JA 1/10W
R5013	401 038 6208	MT-GLAZE 47 JA 1/10W
R5014	401 037 5608	MT-GLAZE 10K JA 1/10W
R5020	401 071 2403	OXIDE-MT 15K JA 3W
R5101	401 012 3308	CARBON 10 JA 1/4W
R5102	401 017 1705	CARBON 2.7K JA 1/4W
R5103	401 023 6206	CARBON 9.1 JA 1/4W
R5104	401 038 6505	MT-GLAZE 47K JA 1/10W
R5105	401 017 0708	CARBON 270 JA 1/4W
R5106	401 021 1807	CARBON 560 JA 1/4W
R5108	401 020 1907	CARBON 4.7K JA 1/4W
R5109	401 020 1907	CARBON 4.7K JA 1/4W
R5110 ⚠	402 071 3100	FUSIBLE RES 27 JA 1/4W
R6001	401 038 5409	MT-GLAZE 390K JA 1/10W
R6002	401 038 2309	MT-GLAZE 270K JA 1/10W
R6003	401 038 5409	MT-GLAZE 390K JA 1/10W (VHR-795E,775E)
R6004	401 038 6604	MT-GLAZE 470K JA 1/10W (VHR-795E,775E)
R6006	401 038 3603	MT-GLAZE 3.3K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6008	401 037 5806	MT-GLAZE 1M JA 1/10W (VHR-795E,775E)
R6009	401 038 6406	MT-GLAZE 4.7K JA 1/10W (VHR-795E,775E,795EX,775EX)

LOCATION	PARTS NO.	DESCRIPTION
R6062	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6063	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6064	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6065	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6071 ⚠	402 042 0701	FUSIBLE RES 680 GA 1/4W
R6691	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6692	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6901	401 037 5202	MT-GLAZE 100 JA 1/10W
R6902	401 037 5400	MT-GLAZE 1K JA 1/10W
R6903	401 038 3504	MT-GLAZE 330 JA 1/10W
R6904	401 037 5608	MT-GLAZE 10K JA 1/10W
R6905	401 038 6307	MT-GLAZE 470 JA 1/10W
R6906	401 038 3801	MT-GLAZE 330K JA 1/10W
R6907	401 037 5608	MT-GLAZE 10K JA 1/10W
R6908	401 039 0205	MT-GLAZE 82 JA 1/10W
R6909	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6910	401 037 5400	MT-GLAZE 1K JA 1/10W
R6911	401 038 7106	MT-GLAZE 510 JA 1/10W
R6914	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6915	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R6916	401 012 4404	CARBON 100 JA 1/4W
R6921	401 038 3702	MT-GLAZE 33K JA 1/10W (VHR-795E,775E)
R6922	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795E,775E)
R6923	401 012 6903	CARBON 10K JA 1/4W (VHR-795E,775E)
R6924	401 037 9309	MT-GLAZE 18K JA 1/10W (VHR-795E,775E)
R6925	401 037 8005	MT-GLAZE 15K JA 1/10W (VHR-795E,775E)
R6926	401 037 6803	MT-GLAZE 12K JA 1/10W (VHR-795E,775E)
R6927	401 037 6605	MT-GLAZE 120 JA 1/10W (VHR-795E,775E)

(FUSE)

F5001 ⚠	423 021 8402	FUSE 250V 2.5A

(PROTECTOR)

PR511 ⚠	645 005 9834	PROTECTOR,IC 1.0A 50V

(JACKS)

JK203	613 009 5138	SOCKET
JK204	613 009 5121	SOCKET

(CONNECTORS)

CN121	613 111 5712	SOCKET,21P(EXCEPT VHR-795E)
OR	645 002 4528	SOCKET,RGB 21P(EXCEPT VHR-795E)
OR	645 003 1656	SOCKET,RGB 21P(EXCEPT VHR-795E)
CN501 ⚠	645 000 5411	SOCKET,INLET AC

(MISCELLANEOUS)

	645 008 7660	HOLDER,FUSE,F5001
OR	645 008 7677	HOLDER,FUSE,F5001

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COMPL PWB,VP-1

COMPL.NO 613 160 3363

(SEMICONDUCTORS)

LOCATION	PARTS NO.	DESCRIPTION
Q1902	405 015 9701	TR 2SC2814-F4
OR	405 015 9909	TR 2SC2814-F5
Q1902	405 035 6100	TR 2SC2413K-Q
Q1903	405 015 9701	TR 2SC2814-F4
OR	405 015 9909	TR 2SC2814-F5
OR	405 035 6100	TR 2SC2413K-Q
Q1904	405 015 8407	TR 2SC2812-L5
OR	405 015 8704	TR 2SC2812-L6
OR	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S

(INTEGRATED CIRCUITS)

IC180	409 348 1104	IC LA7416
IC291	409 326 0808	IC LA7256

(INDUCTORS)

L1815	645 003 6934	INDUCTOR,100U J
OR	645 003 7634	INDUCTOR,100U J
L1851	645 002 1473	INDUCTOR 39U K
OR	645 003 8136	INDUCTOR,39U K
L1852	645 001 4666	INDUCTOR 220U K
OR	645 003 8044	INDUCTOR,220U K
L1853	645 001 4666	INDUCTOR 220U K
OR	645 003 8044	INDUCTOR,220U K
L1901	645 003 7900	INDUCTOR,10U K
OR	645 001 4550	INDUCTOR 10U K
L1903	645 001 5519	INDUCTOR 47U K
OR	645 010 2172	INDUCTOR,47U K
L1904	645 003 8068	INDUCTOR,27U K
OR	645 003 8426	INDUCTOR,27U K
L1905	645 003 7962	INDUCTOR,15U K
OR	645 001 4635	INDUCTOR 15U K

(CAPACITORS)

C1801	403 069 5601	CERAMIC 0.01U K 50V
C1803	403 073 9107	CERAMIC 4700P K 50V
C1808	403 068 0409	CERAMIC 0.1U Z 25V
C1812	403 068 0409	CERAMIC 0.1U Z 25V
C1813	403 069 5601	CERAMIC 0.01U K 50V
C1814	403 068 0409	CERAMIC 0.1U Z 25V
C1815	403 284 9408	OS-SOLID 3.3U M 16V
C1817	403 068 0409	CERAMIC 0.1U Z 25V
C1818	403 068 0409	CERAMIC 0.1U Z 25V
C1819	403 069 5601	CERAMIC 0.01U K 50V
C1820	403 069 5601	CERAMIC 0.01U K 50V
C1822	403 069 5601	CERAMIC 0.01U K 50V
C1823	403 069 5601	CERAMIC 0.01U K 50V
C1827	403 069 5601	CERAMIC 0.01U K 50V
C1828	403 069 5601	CERAMIC 0.01U K 50V
C1830	403 069 5601	CERAMIC 0.01U K 50V
C1851	403 010 8606	CERAMIC 12P J 50V
C1853	403 009 5807	CERAMIC 100P J 50V
C1854	403 014 9302	CERAMIC 180P J 50V
C1857	403 018 0602	CERAMIC 22P J 50V
C1861	403 068 0409	CERAMIC 0.1U Z 25V
C1901	403 069 5601	CERAMIC 0.01U K 50V
C1902	403 022 8304	CERAMIC 33P J 50V
C1905	403 022 8304	CERAMIC 33P J 50V
C1906	403 026 2902	CERAMIC 47P J 50V
C1907	403 028 4201	CERAMIC 56P J 50V
C1911	403 068 0409	CERAMIC 0.1U Z 25V
C2901	403 163 7907	ELECT 47U M 6.3V
C2902	403 068 0409	CERAMIC 0.1U Z 25V
C2903	403 068 0409	CERAMIC 0.1U Z 25V
C2904	403 068 0409	CERAMIC 0.1U Z 25V
C2905	403 068 0409	CERAMIC 0.1U Z 25V
C2906	403 068 0409	CERAMIC 0.1U Z 25V

LOCATION	PARTS NO.	DESCRIPTION
C2907	403 068 0409	CERAMIC 0.1U Z 25V
C2908	403 068 0409	CERAMIC 0.1U Z 25V
C2910	403 068 0409	CERAMIC 0.1U Z 25V
C2911	403 068 0409	CERAMIC 0.1U Z 25V
(RESISTORS)		
R1805	401 038 9308	MT-GLAZE 68K JA 1/10W
R1806	401 037 5707	MT-GLAZE 100K JA 1/10W
R1808	401 037 8005	MT-GLAZE 15K JA 1/10W
R1814	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R1815	401 038 2200	MT-GLAZE 27K JA 1/10W
R1817	401 038 0800	MT-GLAZE 22K JA 1/10W
R1818	401 038 0800	MT-GLAZE 22K JA 1/10W
R1851	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R1852	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R1854	401 037 5400	MT-GLAZE 1K JA 1/10W
R1902	401 038 7601	MT-GLAZE 560 JA 1/10W
R1903	401 038 0800	MT-GLAZE 22K JA 1/10W
R1904	401 038 0800	MT-GLAZE 22K JA 1/10W
R1905	401 038 5003	MT-GLAZE 390 JA 1/10W
R1906	401 038 5003	MT-GLAZE 390 JA 1/10W
R1907	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R1908	401 037 5400	MT-GLAZE 1K JA 1/10W
R1909	401 038 9001	MT-GLAZE 680 JA 1/10W
R1910	401 038 6307	MT-GLAZE 470 JA 1/10W
R1911	401 037 5400	MT-GLAZE 1K JA 1/10W
R1912	401 038 2002	MT-GLAZE 270 JA 1/10W
R2901	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2902	401 038 0206	MT-GLAZE 20K JA 1/10W
(JUMPERS)		
J1811	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1855	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1857	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1861	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1862	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1864	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J1881	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J2901	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J2902	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J2903	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

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COMPL PWB,TM-1

COMPL.NO	613 160 4131	(VHR-795G,795E,795EX)
COMPL.NO	613 160 8030	(VHR-775G,775E,775EX)
(SEMICONDUCTOR)		
Q7101	405 063 8404	TR DTC114EL(VHR-795G,795E,795EX)
(DIODES)		
D7101	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D7102	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D7103	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D7104	407 007 9904	DIODE GMA01
OR	407 012 4406	DIODE 1SS133
D7123	407 163 3600	LED SEL2715Y-D,DMSS-LED (VHR-795G,795E,795EX)
OR	407 163 3501	LED SEL2715Y-C,DMSS-LED (VHR-795G,795E,795EX)

LOCATION	PARTS NO.	DESCRIPTION
(CAPACITOR)		
C7101	403 043 8802	ELECT 4.7U M 16V
(RESISTORS)		
R7105	401 015 8805	CARBON 200 JA 1/4W (VHR-795G,795E,795EX)
R7110	401 020 1907	CARBON 4.7K JA 1/4W (VHR-795G,795E,795EX)
(SWITCHES)		
S7101	613 006 3649	PUSH SWITCH,POWER
OR	613 079 4130	SW,PUSH,POWER
OR	645 001 9777	SWITCH,PUSH 1P-1T,POWER
OR	645 006 2797	SWITCH,PUSH 1P-1T,POWER
OR	645 008 8049	SWITCH,PUSH 1P-1T,POWER
S7102	613 006 3649	PUSH SWITCH,STOP/EJECT
OR	613 079 4130	SW,PUSH,STOP/EJECT
OR	645 001 9777	SWITCH,PUSH 1P-1T,STOP/EJECT
OR	645 006 2797	SWITCH,PUSH 1P-1T,STOP/EJECT
OR	645 008 8049	SWITCH,PUSH 1P-1T,STOP/EJECT
S7103	613 006 3649	PUSH SWITCH,CH-UP
OR	613 079 4130	SW,PUSH,CH-UP
OR	645 001 9777	SWITCH,PUSH 1P-1T,CH-UP
OR	645 006 2797	SWITCH,PUSH 1P-1T,CH-UP
OR	645 008 8049	SWITCH,PUSH 1P-1T,CH-UP
S7104	613 006 3649	PUSH SWITCH,CH-DOWN
OR	613 079 4130	SW,PUSH,CH-DOWN
OR	645 001 9777	SWITCH,PUSH 1P-1T,CH-DOWN
OR	645 006 2797	SWITCH,PUSH 1P-1T,CH-DOWN
OR	645 008 8049	SWITCH,PUSH 1P-1T,CH-DOWN
S7106	613 006 3649	PUSH SWITCH,PAUSE
OR	613 079 4130	SW,PUSH,PAUSE
OR	645 001 9777	SWITCH,PUSH 1P-1T,PAUSE
OR	645 006 2797	SWITCH,PUSH 1P-1T,PAUSE
OR	645 008 8049	SWITCH,PUSH 1P-1T,PAUSE
S7107	613 006 3649	PUSH SWITCH,REW
OR	613 079 4130	SW,PUSH,REW
OR	645 001 9777	SWITCH,PUSH 1P-1T,REW
OR	645 006 2797	SWITCH,PUSH 1P-1T,REW
OR	645 008 8049	SWITCH,PUSH 1P-1T,REW
S7108	613 006 3649	PUSH SWITCH,PLAY
OR	613 079 4130	SW,PUSH,PLAY
OR	645 001 9777	SWITCH,PUSH 1P-1T,PLAY
OR	645 006 2797	SWITCH,PUSH 1P-1T,PLAY
OR	645 008 8049	SWITCH,PUSH 1P-1T,PLAY
S7109	613 006 3649	PUSH SWITCH,FF
OR	613 079 4130	SW,PUSH,FF
OR	645 001 9777	SWITCH,PUSH 1P-1T,FF
OR	645 006 2797	SWITCH,PUSH 1P-1T,FF
OR	645 008 8049	SWITCH,PUSH 1P-1T,FF
S7110	613 006 3649	PUSH SWITCH,REC
OR	613 079 4130	SW,PUSH,REC
OR	645 001 9777	SWITCH,PUSH 1P-1T,REC
OR	645 006 2797	SWITCH,PUSH 1P-1T,REC
OR	645 008 8049	SWITCH,PUSH 1P-1T,REC
(REMOTE RECEIVERS)		
RR711	613 129 0938	IR RECEIVER PACK UNIT
OR	645 006 8720	UNIT,IR RECEIVER PACK
OR	645 008 7875	UNIT,IR RECEIVER PACK
(DISPLAYS)		
A7101	645 004 0597	FLUORESCENT TUBE
OR	645 004 0603	FLUORESCENT TUBE
(MISCELLANEOUS)		
	613 139 2267	HOLDER FL
	613 142 4913	HOLDER LED(VHR-795G,795E,795EX)
	613 163 1700	HOLDER IR

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COMPL PWB,TM-7

LOCATION	PARTS NO.	DESCRIPTION
COMPL.NO	613 165 1722	(ASSEMBLED FOR VHR-775EX & OPTION FOR VHR-775E)

(INTEGRATED CIRCUIT)

IC771	409 327 9909	IC MV1821C

(CRISTAL DEVICE)

X7701	645 004 6797	OSC,CRYSTAL 6.9375MHZ

(INDUCTORS)

L7701	645 002 3675	LINE FILTER
L7702	645 002 3675	LINE FILTER

(CAPACITORS)

C7701	403 191 8709	ELECT 1U M 50V
C7702	403 159 1001	CERAMIC 0.22U Z 16V
C7703	403 237 7901	MT-COMPO 0.22U J 50V
C7705	403 020 0409	CERAMIC 27P J 50V
C7706	403 020 0409	CERAMIC 27P J 50V

(RESISTOR)

R7702	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

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COMPL PCB,TM-8

COMPL.NO	613 134 4730	(VHR-775G)

(INTEGRATED CIRCUITS)

IC781	409 148 5104	IC SDA5642
OR	409 338 8809	IC SDA5642-5

(CAPACITORS)

C7802	403 013 3103	CERAMIC 150P J 50V
C7803	403 256 4608	MT-COMPO 0.33U J 50V
C7804	403 057 2407	POLYESTER 0.1U J 50V

(RESISTORS)

R7805	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R7806	401 037 5806	MT-GLAZE 1M JA 1/10W
R7807	401 039 0601	MT-GLAZE 820K JA 1/10W
R7808	401 037 5707	MT-GLAZE 100K JA 1/10W
R7809	401 037 5608	MT-GLAZE 10K JA 1/10W
R7810	401 037 7008	MT-GLAZE 1.2M JA 1/10W
R7811	401 037 5202	MT-GLAZE 100 JA 1/10W
R7812	401 038 7700	MT-GLAZE 5.6K JA 1/10W

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COMPL PCB,TM-9

COMPL.NO	613 158 5751	(VHR-795G,795E,795EX)

(INTEGRATED CIRCUIT)

IC771	409 340 9600	IC SDA5649(VHR-795G,795E,795EX)

(CAPACITORS)

C7701	403 060 7505	POLYESTER 0.033U J 50V (VHR-795G,795E,795EX)
C7702	403 071 8102	CERAMIC 2200P K 50V (VHR-795G,795E,795EX)
C7703	403 256 4608	MT-COMPO 0.33U J 50V (VHR-795G,795E,795EX)
C7704	403 013 3004	CERAMIC 150P J 50V (VHR-795G,795E,795EX)
C7705	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795G,795E,795EX)

LOCATION	PARTS NO.	DESCRIPTION

(RESISTORS)

R7701	401 038 9209	MT-GLAZE 6.8K JA 1/10W (VHR-795G,795E,795EX)
R7702	401 037 7008	MT-GLAZE 1.2M JA 1/10W (VHR-795G,795E,795EX)
R7703	401 038 9209	MT-GLAZE 6.8K JA 1/10W (VHR-795G,795E,795EX)
R7704	401 037 7008	MT-GLAZE 1.2M JA 1/10W (VHR-795G,795E,795EX)
R7705	401 037 5806	MT-GLAZE 1M JA 1/10W (VHR-795G,795E,795EX)
R7706	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795G,795E,795EX)
R7707	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R7708	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)

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COMPL PWB,PW-1

COMPL.NO	613 160 3615	

(INTEGRATED CIRCUIT)

IC541	409 344 6509	IC UPC1093T

(DIODES)

D5301	407 169 5608	PHOTO COUPLE PC123U2
D5303	407 148 7609	DIODE DAN217-T146

(CAPACITORS)

C5301	403 130 3109	CERAMIC 0.047U K 50V
C5303	403 070 2606	CERAMIC 0.1U Z 50V
C5401	403 130 3109	CERAMIC 0.047U K 50V
C5402	403 069 1702	CERAMIC 1000P K 50V

(RESISTORS)

R5301	401 037 5400	MT-GLAZE 1K JA 1/10W
R5302	401 038 7809	MT-GLAZE 56K JA 1/10W
R5303	401 037 5608	MT-GLAZE 10K JA 1/10W
R5307	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R5401	401 038 3504	MT-GLAZE 330 JA 1/10W
R5402	401 038 7601	MT-GLAZE 560 JA 1/10W
R5403	401 038 7601	MT-GLAZE 560 JA 1/10W
R5404	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R5405	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R5406	401 038 3504	MT-GLAZE 330 JA 1/10W
R5407	401 038 2101	MT-GLAZE 2.7K JA 1/10W

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COMPL PWB,TB-1

COMPL.NO	613 163 5937	(VHR-795E)

(DIODES)

D8613	407 099 7000	ZENER DIODE MTZJ15B
OR	407 070 1706	ZENER DIODE GZS15Y

(CAPACITORS)

C8504	403 018 7502	CERAMIC 220P J 50V
C8508	403 069 1702	CERAMIC 1000P K 50V
C8513	403 018 7502	CERAMIC 220P J 50V
C8524	403 018 7502	CERAMIC 220P J 50V
C8528	403 069 1702	CERAMIC 1000P K 50V
C8533	403 018 7502	CERAMIC 220P J 50V

(RESISTORS)

R8502	401 037 5400	MT-GLAZE 1K JA 1/10W
R8504	401 038 9001	MT-GLAZE 680 JA 1/10W

LOCATION	PARTS NO.	DESCRIPTION
R8508	401 037 5400	MT-GLAZE 1K JA 1/10W
R8522	401 037 5400	MT-GLAZE 1K JA 1/10W
R8524	401 038 9001	MT-GLAZE 680 JA 1/10W
R8528	401 037 5400	MT-GLAZE 1K JA 1/10W
R8601	401 038 9506	MT-GLAZE 75 JA 1/10W
R8602	401 038 9506	MT-GLAZE 75 JA 1/10W
(JUMPER)		
J8513	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
(CONNECTORS)		
CN871	613 105 6633	SOCKET,21P
OR	645 007 7265	SOCKET
OR	645 001 9807	SOCKET,RGB 21P
CN872	613 105 6633	SOCKET,21P
OR	645 007 7265	SOCKET
OR	645 001 9807	SOCKET,RGB 21P

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COMPL PWB,TB-2

LOCATION	PARTS NO.	DESCRIPTION
COMPL.NO	613 160 5022	(VHR-795G,795EX)
(CAPACITORS)		
C8801	403 071 5408	CERAMIC 220P J 50V (VHR-795G,795EX)
C8802	403 071 5408	CERAMIC 220P J 50V (VHR-795G,795EX)
(RESISTORS)		
R8801	401 022 6702	CARBON 75 JA 1/4W (VHR-795G,795EX)
R8802	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,795EX)
R8803	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,795EX)
(JACK)		
JK881	613 126 6162	BOARD,TERMINAL,VD/AD.IN (VHR-795G,795EX)

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COMPL PWB,TN-3

LOCATION	PARTS NO.	DESCRIPTION
COMPL.NO	613 161 0200	(VHR-795G,775G)
(SEMICONDUCTORS)		
Q6301	405 018 2501	TR 2SC3399(VHR-795G,775G)
OR	405 000 6104	TR DTC144ES(VHR-795G,775G)
(INTEGRATED CIRCUITS)		
IC631	409 297 9206	IC TDA8417(VHR-795G,775G)
OR	409 203 5407	IC TDA8415(VHR-795G,775G)
IC632	409 056 6903	IC UPC1391HAMS(VHR-795G,775G)
(CRISTAL DEVICE)		
X6301	645 002 0711	OSC,CRYSTAL 10MHZ(VHR-795G,775G)
(CERAMIC RESONATORS)		
XF631	645 006 3312	DISCR,CERAMIC(VHR-795G,775G)
XF632	645 006 3022	CERAMIC FILTER 5.742MHZ (VHR-795G,775G)
(VARIABLE RESISTOR)		
VR631	645 003 5586	VR,SEMI,22K N(VHR-795G,775G)
(CAPACITORS)		
C6301	403 233 0302	ELECT 100U M 16V (VHR-795G,775G)
C6302	403 001 1906	CERAMIC 0.01U M 16V (VHR-795G,775G)
C6303	403 139 2806	ELECT 10U M 50V (VHR-795G,775G)
C6304	403 248 2803	ELECT 2.2U M 50V (VHR-795G,775G)
C6305	403 248 2001	ELECT 4.7U M 25V (VHR-795G,775G)
C6306	403 248 2001	ELECT 4.7U M 25V (VHR-795G,775G)
C6307	403 258 3807	ELECT 0.22U M 50V (VHR-795G,775G)
C6308	403 001 1906	CERAMIC 0.01U M 16V (VHR-795G,775G)
C6309	403 001 1906	CERAMIC 0.01U M 16V (VHR-795G,775G)
C6312	403 001 1906	CERAMIC 0.01U M 16V (VHR-795G,775G)
C6313	403 033 3602	CERAMIC 82P J 50V (VHR-795G,775G)
C6314	403 233 0807	ELECT 10U M 50V (VHR-795G,775G)
(RESISTORS)		
R6301	401 020 1907	CARBON 4.7K JA 1/4W (VHR-795G,775G)
R6302	401 020 0702	CARBON 470 JA 1/4W (VHR-795G,775G)
R6303	401 018 2701	CARBON 330 JA 1/4W (VHR-795G,775G)
R6304	401 018 2701	CARBON 330 JA 1/4W (VHR-795G,775G)
R6305	401 016 4707	CARBON 22K JA 1/4W (VHR-795G,775G)
R6309	401 021 1807	CARBON 560 JA 1/4W (VHR-795G,775G)
R6313	401 013 6308	CARBON 12K JA 1/4W (VHR-795G,775G)
R6314	401 023 2703	CARBON 8.2K JA 1/4W (VHR-795G,775G)
R6315	401 012 6903	CARBON 10K JA 1/4W (VHR-795G,775G)
R6316	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,775G)
R6317	401 012 5609	CARBON 1K JA 1/4W (VHR-795G,775G)

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COMPL PWB,TN-5

LOCATION	PARTS NO.	DESCRIPTION
COMPL.NO	613 161 6226	(VHR-795E,775E,795EX,775EX)
(SEMICONDUCTORS)		
Q6701	405 015 8407	TR 2SC2812-L5 (VHR-795E,775E,795EX,775EX)
OR	405 015 8704	TR 2SC2812-L6 (VHR-795E,775E,795EX,775EX)
OR	405 014 4509	TR 2SC2412K-R (VHR-795E,775E,795EX,775EX)
OR	405 014 4608	TR 2SC2412K-S (VHR-795E,775E,795EX,775EX)
Q6741	405 002 6508	TR 2SA1179-M5 (VHR-795E,775E,795EX,775EX)
OR	405 002 6706	TR 2SA1179-M6 (VHR-795E,775E,795EX,775EX)

LOCATION	PARTS NO.	DESCRIPTION
Q6741	405 002 0308	TR 2SA1037K-R (VHR-795E,775E,795EX,775EX)
OR	405 002 0407	TR 2SA1037K-S (VHR-795E,775E,795EX,775EX)
Q6742	405 002 6508	TR 2SA1179-M5 (VHR-795E,775E,795EX,775EX)
OR	405 002 6706	TR 2SA1179-M6 (VHR-795E,775E,795EX,775EX)
OR	405 002 0308	TR 2SA1037K-R (VHR-795E,775E,795EX,775EX)
OR	405 002 0407	TR 2SA1037K-S (VHR-795E,775E,795EX,775EX)

(INTEGRATED CIRCUIT)

LOCATION	PARTS NO.	DESCRIPTION
IC671	409 344 9807	IC SAA7283 (VHR-795E,775E,795EX,775EX)

(DIODES)

LOCATION	PARTS NO.	DESCRIPTION
D6701	407 169 8005	VARACTOR DI BB405B (VHR-795E,775E,795EX,775EX)
D6702	407 007 9904	DIODE GMA01 (VHR-795E,775E,795EX,775EX)
OR	407 012 4406	DIODE 1SS133 (VHR-795E,775E,795EX,775EX)

(CRISTAL DEVICE)

LOCATION	PARTS NO.	DESCRIPTION
X6701	645 007 7449	OSC,CRYSTAL 8.192MHZ (VHR-795E,775E,795EX,775EX)

(INDUCTORS)

LOCATION	PARTS NO.	DESCRIPTION
L6701	645 003 7023	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
OR	645 003 7429	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
L6702	645 003 7023	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
OR	645 003 7429	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
L6703	645 002 1411	INDUCTOR 10U J (VHR-795E,775E,795EX,775EX)
OR	645 003 7894	INDUCTOR,10U J (VHR-795E,775E,795EX,775EX)
L6704	645 003 7023	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
OR	645 003 7429	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
L6705	645 003 7023	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)
OR	645 003 7429	INDUCTOR,2.2U J (VHR-795E,775E,795EX,775EX)

(CAPACITORS)

LOCATION	PARTS NO.	DESCRIPTION
C6701	403 159 1001	CERAMIC 0.22U Z 16V (VHR-795E,775E,795EX,775EX)
C6702	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6703	403 135 4002	ELECT 47U M 6.3V (VHR-795E,775E,795EX,775EX)
C6704	403 159 1001	CERAMIC 0.22U Z 16V (VHR-795E,775E,795EX,775EX)
C6705	403 184 9003	MT-POLYEST 0.022U J 50V (VHR-795E,775E,795EX,775EX)
C6706	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6707	403 134 9602	ELECT 47U M 16V (VHR-795E,775E,795EX,775EX)
C6708	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6709	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6710	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6711	403 008 7505	CERAMIC 10P D 50V (VHR-795E,775E,795EX,775EX)
C6712	403 024 7206	CERAMIC 390P J 50V (VHR-795E,775E,795EX,775EX)
C6714	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6715	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6716	403 018 7502	CERAMIC 220P J 50V (VHR-795E,775E,795EX,775EX)
C6717	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6718	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6719	403 109 6308	ELECT 1U M 50V (VHR-795E,775E,795EX,775EX)
C6720	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6721	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6722	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6723	403 168 6202	MT-POLYEST 0.33U J 50V (VHR-795E,775E,795EX,775EX)
C6724	403 072 1607	CERAMIC 0.022U K 50V (VHR-795E,775E,795EX,775EX)
C6725	403 026 2803	CERAMIC 47P J 50V (VHR-795E,775E,795EX,775EX)
C6726	403 026 2803	CERAMIC 47P J 50V (VHR-795E,775E,795EX,775EX)
C6727	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6728	403 130 2904	ELECT 0.47U M 50V (VHR-795E,775E,795EX,775EX)
C6729	403 135 4002	ELECT 47U M 6.3V (VHR-795E,775E,795EX,775EX)
C6730	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6731	403 068 0409	CERAMIC 0.1U Z 25V (VHR-795E,775E,795EX,775EX)
C6732	403 135 4002	ELECT 47U M 6.3V (VHR-795E,775E,795EX,775EX)
C6733	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6734	403 125 5606	ELECT 100U M 16V (VHR-795E,775E,795EX,775EX)
C6741	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6742	403 069 5601	CERAMIC 0.01U K 50V (VHR-795E,775E,795EX,775EX)
C6743	403 073 0005	CERAMIC 3300P K 50V (VHR-795E,775E,795EX,775EX)
C6744	403 073 0005	CERAMIC 3300P K 50V (VHR-795E,775E,795EX,775EX)
C6745	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)
C6746	403 107 9905	ELECT 10U M 16V (VHR-795E,775E,795EX,775EX)

(RESISTORS)

LOCATION	PARTS NO.	DESCRIPTION
R6701	401 038 6406	MT-GLAZE 4.7K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6702	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795E,775E,795EX,775EX)

LOCATION	PARTS NO.	DESCRIPTION
R6703	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6704	401 037 8005	MT-GLAZE 15K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6705	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6706	401 037 5202	MT-GLAZE 100 JA 1/10W (VHR-795E,775E,795EX,775EX)
R6708	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6709	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6710	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6712	401 037 5004	MT-GLAZE 0.000 ZA 1/10W (VHR-795E,775E,795EX,775EX)
R6714	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6715	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6716	401 037 5806	MT-GLAZE 1M JA 1/10W (VHR-795E,775E,795EX,775EX)
R6717	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6718	401 038 9407	MT-GLAZE 680K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6741	401 037 7909	MT-GLAZE 1.5K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6742	401 037 7909	MT-GLAZE 1.5K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6743	401 037 7909	MT-GLAZE 1.5K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6744	401 037 7909	MT-GLAZE 1.5K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6745	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6746	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6747	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795E,775E,795EX,775EX)
R6748	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795E,775E,795EX,775EX)

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COMPL PWB,AD-1

COMPL.NO	613 160 3585	(VHR-795G)
COMPL.NO	613 160 5015	(VHR-775G)
COMPL.NO	613 161 6196	(VHR-795E,795EX)
COMPL.NO	613 161 6202	(VHR-775E,775EX)

(SEMICONDUCTORS)

Q2301	405 003 7108	TR 2SA1341(VHR-795G,795E,795EX)
OR	405 000 2007	TR DTA144EK(VHR-795G,795E,795EX)
Q2302	405 018 1900	TR 2SC3395(VHR-795G,795E,795EX)
OR	405 029 3504	TR DTC144EK(VHR-795G,795E,795EX)
Q2303	405 018 1900	TR 2SC3395
OR	405 029 3504	TR DTC144EK
Q2304	405 045 2208	TR 2SC3900
OR	405 000 5305	TR DTC143TK
Q2305	405 045 2208	TR 2SC3900
OR	405 000 5305	TR DTC143TK
Q2306	405 015 8407	TR 2SC2812-L5
OR	405 015 8704	TR 2SC2812-L6
OR	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q2307	405 018 1900	TR 2SC3395
OR	405 029 3504	TR DTC144EK
Q2308	405 018 0101	TR 2SC3331-T
Q2308	405 018 0200	TR 2SC3331-U
Q2309	405 018 0101	TR 2SC3331-T(VHR-795G,795E,795EX)
OR	405 018 0200	TR 2SC3331-U(VHR-795G,795E,795EX)
Q2310	405 018 1900	TR 2SC3395
OR	405 029 3504	TR DTC144EK
Q2311	405 003 7207	TR 2SA1342
OR	405 000 1109	TR DTA124EK
Q2312	405 018 1900	TR 2SC3395(VHR-795G,795E,795EX)
OR	405 029 3504	TR DTC144EK(VHR-795G,795E,795EX)
Q2313	405 003 7207	TR 2SA1342(VHR-795G,795E,795EX)
OR	405 000 1109	TR DTA124EK(VHR-795G,795E,795EX)
Q2314	405 018 1900	TR 2SC3395
OR	405 029 3504	TR DTC144EK
Q2315	405 003 7405	TR 2SA1344
OR	405 000 0409	TR DTA114EK
Q2316	405 013 6801	TR 2SC2274-E
OR	405 013 7006	TR 2SC2274-F

(INTEGRATED CIRCUITS)

IC231	409 345 4405	IC AN3965FBP
IC232	409 189 3404	IC BA7755A

(DIODES)

D2301	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
OR	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
D2302	407 007 9904	DIODE GMA01(VHR-795G,795E,795EX)
OR	407 012 4406	DIODE 1SS133(VHR-795G,795E,795EX)
D2304	407 053 6803	ZENER DIODE MTZ5.6C

(VARIABLE RESISTORS)

VR231	645 003 5128	VR,SEMI,100K N
OR	645 003 5661	VR,SEMI,100K N
VR233	645 001 8770	VR,SEMI,10K N
OR	645 003 5531	VR,SEMI,10K N
VR234	645 003 5500	VR,SEMI,4.7K N
OR	645 003 5616	VR,SEMI,4.7K N

(INDUCTORS)

L2302	613 015 5474	HF CHOKE 27MH
L2305	645 009 0417	INDUCTOR,10.0M J

(TRANSFORMERS)

T2301	613 150 3915	TRANS,OSC(VHR-795G,795E,795EX)
OR	621 019 9596	70KHZ OSC TRANS (VHR-775G,775E,775EX)
OR	613 098 6023	TRANS,OSC 70KHZ (VHR-775G,775E,775EX)
OR	645 004 7480	TRANS,OSC,70KHZ (VHR-775G,775E,775EX)
T2302	613 109 3485	TRANS,OSC(VHR-795G,795E,795EX)

(CAPACITORS)

C2301	403 163 8409	ELECT 47U M 16V
C2302	403 191 8709	ELECT 1U M 50V
C2303	403 191 8709	ELECT 1U M 50V
C2304	403 191 8709	ELECT 1U M 50V (VHR-795G,795E,795EX)
C2305	403 130 3109	CERAMIC 0.047U K 50V
C2306	403 167 6500	ELECT 33U M 6.3V
C2307	403 191 8808	ELECT 2.2U M 50V
C2308	403 159 8109	ELECT 100U M 6.3V
C2309	403 070 9803	CERAMIC 0.015U K 50V
C2310	403 069 5601	CERAMIC 0.01U K 50V
C2311	403 069 5601	CERAMIC 0.01U K 50V
C2312	403 069 5601	CERAMIC 0.01U K 50V
C2313	403 069 5601	CERAMIC 0.01U K 50V
C2314	403 163 7907	ELECT 47U M 6.3V
C2315	403 069 5601	CERAMIC 0.01U K 50V
C2316	403 069 5601	CERAMIC 0.01U K 50V

LOCATION	PARTS NO.	DESCRIPTION
C2318	403 069 5601	CERAMIC 0.01U K 50V
C2319	403 184 9805	MT-POLYEST 0.22U J 50V
C2320	403 069 5601	CERAMIC 0.01U K 50V
C2321	403 070 9803	CERAMIC 0.015U K 50V
C2322	403 159 8109	ELECT 100U M 6.3V
C2323	403 191 8808	ELECT 2.2U M 50V
C2324	403 130 3109	CERAMIC 0.047U K 50V
C2326	403 167 6500	ELECT 33U M 6.3V
C2327	403 191 8709	ELECT 1U M 50V (VHR-795E,775E,795EX,775EX)
C2328	403 191 8709	ELECT 1U M 50V (VHR-795G,795E,795EX)
C2329	403 191 8709	ELECT 1U M 50V
C2330	403 191 8709	ELECT 1U M 50V
C2331	403 167 6500	ELECT 33U M 6.3V
C2333	403 193 8608	ELECT 0.47U M 50V (VHR-795G,795E,795EX)
OR	403 193 8400	ELECT 0.22U M 50V (VHR-775G,775E,775EX)
C2334	403 129 0409	CERAMIC 0.01U K 16V (VHR-795G,795E,795EX)
OR	403 213 0902	CERAMIC 3300P K 16V (VHR-775G,775E,775EX)
C2335	403 120 9302	CERAMIC 0.033U K 16V (VHR-795G,795E,795EX)
C2336	403 069 5601	CERAMIC 0.01U K 50V
C2337	403 193 3900	ELECT 33U M 6.3V
C2338	403 193 4709	ELECT 10U M 16V
C2339	403 129 0409	CERAMIC 0.01U K 16V
C2340	403 150 0201	CERAMIC 0.018U K 16V
C2341	403 070 8806	CERAMIC 1500P K 50V
C2342	403 150 6500	ELECT 22U M 16V
C2343	403 189 2405	ELECT 10U M 16V
C2344	403 189 2405	ELECT 10U M 16V
C2345	403 189 2405	ELECT 10U M 16V
C2347	403 163 8409	ELECT 47U M 16V
C2348	403 189 2405	ELECT 10U M 16V
C2349	403 014 9203	CERAMIC 180P J 50V
C2350	403 163 8409	ELECT 47U M 16V
C2351	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)
OR	403 069 5601	CERAMIC 0.01U K 50V (VHR-775G,775E,775EX)
C2352	403 073 9107	CERAMIC 4700P K 50V (VHR-795G,795E,795EX)
OR	403 069 5601	CERAMIC 0.01U K 50V (VHR-775G,775E,775EX)
C2353	403 082 4209	POLYPRO 6800P J 100V
C2354	403 018 7403	CERAMIC 220P J 50V
C2355	403 163 8409	ELECT 47U M 16V (VHR-795G,795E,795EX)
C2356	403 069 5601	CERAMIC 0.01U K 50V (VHR-795G,795E,795EX)
C2357	403 069 5601	CERAMIC 0.01U K 50V (VHR-795G,795E,795EX)
C2358	404 060 0503	POLYPRO 0.047U J 100V (VHR-795G,795E,795EX)
C2362	403 163 7907	ELECT 47U M 6.3V
C2363	403 069 5601	CERAMIC 0.01U K 50V
(RESISTORS)		
R2301	401 038 6604	MT-GLAZE 470K JA 1/10W
R2302	401 038 3702	MT-GLAZE 33K JA 1/10W
R2303	401 038 5300	MT-GLAZE 39K JA 1/10W
R2304	401 038 5300	MT-GLAZE 39K JA 1/10W (VHR-795G,795E,795EX)
R2305	401 038 7106	MT-GLAZE 510 JA 1/10W
R2306	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R2307	401 037 6803	MT-GLAZE 12K JA 1/10W

LOCATION	PARTS NO.	DESCRIPTION
R2308	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2309	401 164 9500	MT-FILM 12K DU 1/10W
R2312	401 164 9302	MT-FILM 10K DU 1/10W
R2313	401 037 6803	MT-GLAZE 12K JA 1/10W
R2314	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2315	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R2316	401 038 7106	MT-GLAZE 510 JA 1/10W
R2317	401 038 3702	MT-GLAZE 33K JA 1/10W (VHR-795E,775E,795EX,775EX)
R2318	401 038 5300	MT-GLAZE 39K JA 1/10W (VHR-795G,795E,795EX)
R2319	401 038 5300	MT-GLAZE 39K JA 1/10W
R2320	401 038 3702	MT-GLAZE 33K JA 1/10W
R2321	401 038 3702	MT-GLAZE 33K JA 1/10W
R2322	401 038 0800	MT-GLAZE 22K JA 1/10W
R2323	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795G,795E,795EX)
R2324	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795E,775E,795EX,775EX)
R2325	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795G,795E,795EX)
R2326	401 038 0800	MT-GLAZE 22K JA 1/10W
R2327	401 038 3702	MT-GLAZE 33K JA 1/10W
R2328	401 038 2408	MT-GLAZE 2.7M JA 1/10W
R2331	401 037 6803	MT-GLAZE 12K JA 1/10W (VHR-795G,795E,795EX)
R2332	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
OR	401 038 2101	MT-GLAZE 2.7K JA 1/10W (VHR-775G,775E,775EX)
R2333	401 037 5608	MT-GLAZE 10K JA 1/10W
R2334	401 038 2309	MT-GLAZE 270K JA 1/10W
R2335	401 038 1203	MT-GLAZE 240 JA 1/10W
R2336	401 089 8602	MT-GLAZE 4.7M JA 1/10W (VHR-795G,795E,795EX)
R2337	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R2338	401 038 0206	MT-GLAZE 20K JA 1/10W
R2339	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2340	401 038 3504	MT-GLAZE 330 JA 1/10W
R2341	401 038 0909	MT-GLAZE 220K JA 1/10W
R2342	401 038 3504	MT-GLAZE 330 JA 1/10W
R2343	401 038 0909	MT-GLAZE 220K JA 1/10W
R2344	401 038 3702	MT-GLAZE 33K JA 1/10W
R2345	401 037 8005	MT-GLAZE 15K JA 1/10W
R2346	401 037 5400	MT-GLAZE 1K JA 1/10W
R2347	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2348	401 038 3702	MT-GLAZE 33K JA 1/10W
R2349	401 037 8005	MT-GLAZE 15K JA 1/10W
R2350	401 018 9700	CARBON 39 JA 1/4W
R2351	401 038 6208	MT-GLAZE 47 JA 1/10W
R2352	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795G,795E,795EX)
OR	401 037 8005	MT-GLAZE 15K JA 1/10W (VHR-775G,775E,775EX)
R2353	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R2354	401 018 9700	CARBON 39 JA 1/4W (VHR-795G,795E,795EX)
R2355	401 038 6208	MT-GLAZE 47 JA 1/10W (VHR-795G,795E,795EX)
R2356	401 037 8005	MT-GLAZE 15K JA 1/10W (VHR-795G,795E,795EX)
R2357	401 037 5103	MT-GLAZE 10 JA 1/10W (VHR-795G,795E,795EX)
R2358	401 038 2200	MT-GLAZE 27K JA 1/10W (VHR-795G,795E,795EX)
OR	401 038 6505	MT-GLAZE 47K JA 1/10W (VHR-775G,775E,775EX)

LOCATION	PARTS NO.	DESCRIPTION
R2359	401 038 0800	MT-GLAZE 22K JA 1/10W (VHR-795G,795E,795EX)
R2360	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
OR	401 038 3702	MT-GLAZE 33K JA 1/10W (VHR-775G,775E,775EX)
R2364	401 037 5400	MT-GLAZE 1K JA 1/10W
R2365	401 037 5400	MT-GLAZE 1K JA 1/10W
R2366	401 037 5400	MT-GLAZE 1K JA 1/10W
R2367	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R2368	401 037 5400	MT-GLAZE 1K JA 1/10W
R2370	401 037 5202	MT-GLAZE 100 JA 1/10W
(JUMPERS)		
J2351	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J2352	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
J2402	401 037 5004	MT-GLAZE 0.000 ZA 1/10W (VHR-775G,775E,775EX)
J2412	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
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COMPL PWB,AD-5		
COMPL.NO	613 160 3578	(VHR-795G)
COMPL.NO	613 161 6189	(VHR-795E,795EX)
(SEMICONDUCTORS)		
Q2501	405 015 8407	TR 2SC2812-L5(VHR-795G,795E,795EX)
OR	405 015 8704	TR 2SC2812-L6(VHR-795G,795E,795EX)
OR	405 014 4509	TR 2SC2412K-R(VHR-795G,795E,795EX)
OR	405 014 4608	TR 2SC2412K-S(VHR-795G,795E,795EX)
Q2502	405 015 8407	TR 2SC2812-L5(VHR-795G,795E,795EX)
OR	405 015 8704	TR 2SC2812-L6(VHR-795G,795E,795EX)
OR	405 014 4509	TR 2SC2412K-R(VHR-795G,795E,795EX)
OR	405 014 4608	TR 2SC2412K-S(VHR-795G,795E,795EX)
Q2504	405 015 8407	TR 2SC2812-L5(VHR-795G,795E,795EX)
OR	405 015 8704	TR 2SC2812-L6(VHR-795G,795E,795EX)
OR	405 014 4509	TR 2SC2412K-R(VHR-795G,795E,795EX)
OR	405 014 4608	TR 2SC2412K-S(VHR-795G,795E,795EX)
(INTEGRATED CIRCUITS)		
IC251	409 322 3001	IC LC93028A-909 (VHR-795G,795E,795EX)
OR	409 344 6004	IC LC21005A-V47N (VHR-795G,795E,795EX)
OR	410 229 9607	IC LC21005A-V47DU (VHR-795G,795E,795EX)
IC253	409 123 4306	IC LM33256N-15(VHR-795G,795E,795EX)
OR	409 158 1400	IC LM33256G-12(VHR-795G,795E,795EX)
OR	409 235 1408	IC LM33256G-10(VHR-795G,795E,795EX)
OR	409 314 8403	IC LC32256P-80(VHR-795G,795E,795EX)
IC254	409 167 7202	IC NJM2406F(VHR-795G,795E,795EX)
IC255	409 117 9201	IC BA15218N(VHR-795G,795E,795EX)
OR	409 211 6601	IC NJM4558L(VHR-795G,795E,795EX)
(DIODE)		
D2501	407 003 3609	DIODE DAN202K(VHR-795G,795E,795EX)
(CRYSTAL DEVICES)		
X2501	645 000 1239	OSC,CERAMIC 4.25MHZ (VHR-795G,795E,795EX)
OR	645 002 9202	OSC,CERAMIC 4.25MHZ (VHR-795G,795E,795EX)
(CAPACITORS)		
C2501	403 193 7809	ELECT 100U M 16V (VHR-795G,795E,795EX)
C2502	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)

LOCATION	PARTS NO.	DESCRIPTION
C2506	403 159 8109	ELECT 100U M 6.3V (VHR-795G,795E,795EX)
C2507	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)
C2508	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)
C2511	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)
C2512	403 072 1607	CERAMIC 0.022U K 50V (VHR-795G,795E,795EX)
C2514	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2515	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2516	403 018 7502	CERAMIC 220P J 50V (VHR-795G,795E,795EX)
C2517	403 163 7907	ELECT 47U M 6.3V (VHR-795G,795E,795EX)
C2518	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2519	403 163 7907	ELECT 47U M 6.3V (VHR-795G,795E,795EX)
C2520	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2523	403 073 4409	CERAMIC 0.039U K 50V (VHR-795G,795E,795EX)
C2524	403 028 9909	CERAMIC 560P J 50V (VHR-795G,795E,795EX)
C2525	403 130 3109	CERAMIC 0.047U K 50V (VHR-795G,795E,795EX)
C2528	403 189 2405	ELECT 10U M 16V (VHR-795G,795E,795EX)
C2531	403 026 7501	CERAMIC 470P J 50V (VHR-795G,795E,795EX)
C2541	403 026 7600	CERAMIC 470P J 50V (VHR-795G,795E,795EX)
C2542	403 026 7600	CERAMIC 470P J 50V (VHR-795G,795E,795EX)
C2543	403 026 7600	CERAMIC 470P J 50V (VHR-795G,795E,795EX)
C2544	403 189 2405	ELECT 10U M 16V (VHR-795G,795E,795EX)
C2545	403 073 9107	CERAMIC 4700P K 50V (VHR-795G,795E,795EX)
C2546	403 026 7600	CERAMIC 470P J 50V (VHR-795G,795E,795EX)
C2547	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2548	403 070 2606	CERAMIC 0.1U Z 50V (VHR-795G,795E,795EX)
C2572	403 069 1702	CERAMIC 1000P K 50V (VHR-795G,795E,795EX)
(RESISTORS)		
R2502	401 038 9001	MT-GLAZE 680 JA 1/10W (VHR-795G,795E,795EX)
R2504	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R2505	401 037 9408	MT-GLAZE 180K JA 1/10W (VHR-795G,795E,795EX)
R2509	401 038 7700	MT-GLAZE 5.6K JA 1/10W (VHR-795G,795E,795EX)
R2511	401 038 7700	MT-GLAZE 5.6K JA 1/10W (VHR-795G,795E,795EX)
R2512	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2513	401 038 7700	MT-GLAZE 5.6K JA 1/10W (VHR-795G,795E,795EX)

LOCATION	PARTS NO.	DESCRIPTION
R2514	401 039 0403	MT-GLAZE 8.2K JA 1/10W (VHR-795G,795E,795EX)
R2515	401 038 3603	MT-GLAZE 3.3K JA 1/10W (VHR-795G,795E,795EX)
R2517	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R2518	401 038 7700	MT-GLAZE 5.6K JA 1/10W (VHR-795G,795E,795EX)
R2519	401 038 6406	MT-GLAZE 4.7K JA 1/10W (VHR-795G,795E,795EX)
R2520	401 039 0502	MT-GLAZE 82K JA 1/10W (VHR-795G,795E,795EX)
R2521	401 037 8104	MT-GLAZE 150K JA 1/10W (VHR-795G,795E,795EX)
R2522	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2523	401 037 8104	MT-GLAZE 150K JA 1/10W (VHR-795G,795E,795EX)
R2524	401 038 6406	MT-GLAZE 4.7K JA 1/10W (VHR-795G,795E,795EX)
R2525	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2526	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R2528	401 037 5806	MT-GLAZE 1M JA 1/10W (VHR-795G,795E,795EX)
R2529	401 038 7205	MT-GLAZE 5.1K JA 1/10W (VHR-795G,795E,795EX)
R2531	401 038 7205	MT-GLAZE 5.1K JA 1/10W (VHR-795G,795E,795EX)
R2532	401 038 7205	MT-GLAZE 5.1K JA 1/10W (VHR-795G,795E,795EX)
R2533	401 038 7205	MT-GLAZE 5.1K JA 1/10W (VHR-795G,795E,795EX)
R2534	401 038 7205	MT-GLAZE 5.1K JA 1/10W (VHR-795G,795E,795EX)
R2535	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2536	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2537	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2538	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2539	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2541	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2542	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2543	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2544	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2545	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2546	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2547	401 038 7304	MT-GLAZE 51K JA 1/10W (VHR-795G,795E,795EX)
R2548	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2549	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2551	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2552	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)

LOCATION	PARTS NO.	DESCRIPTION
R2553	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2554	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2555	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2556	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2557	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2558	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2559	401 037 5707	MT-GLAZE 100K JA 1/10W (VHR-795G,795E,795EX)
R2571	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2573	401 037 5608	MT-GLAZE 10K JA 1/10W (VHR-795G,795E,795EX)
R2577	401 038 3702	MT-GLAZE 33K JA 1/10W (VHR-795G,795E,795EX)
R2578	401 037 5202	MT-GLAZE 100 JA 1/10W (VHR-795G,795E,795EX)
R2580	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R2581	401 164 8404	MT-FILM 4.7K DU 1/10W (VHR-795G,795E,795EX)
R2582	401 164 3102	MT-FILM 100K DU 1/10W (VHR-795G,795E,795EX)
R2583	401 038 2200	MT-GLAZE 27K JA 1/10W (VHR-795G,795E,795EX)
R2584	401 037 5400	MT-GLAZE 1K JA 1/10W (VHR-795G,795E,795EX)
R2585	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795G,795E,795EX)
R2586	401 038 0701	MT-GLAZE 2.2K JA 1/10W (VHR-795G,795E,795EX)
R2587	401 164 8404	MT-FILM 4.7K DU 1/10W (VHR-795G,795E,795EX)

(JUMPER)

J2591	401 037 5004	MT-GLAZE 0.000 ZA 1/10W (VHR-795G,795E,795EX)

(FUSE)

F2501	613 086 4505	FILTER 22000PF(VHR-795G,795E,795EX)

****

COMPL PCB,MC-1

(CAPACITOR)

C8001	403 121 9509	CERAMIC	0.1U Z	50V

(RESISTORS)

R8001	401 016 4707	CARBON	22K JA	1/4W
R8002	401 012 6903	CARBON	10K JA	1/4W
R8003	401 017 0708	CARBON	270 JA	1/4W
R8004	401 014 2804	CARBON	150 JA	1/4W

(SWITCHES)

S8002	645 003 4589	SWITCH,EP 1P-1T
OR	645 009 3388	SWITCH,EP 1P-1T

****

FLEXIBLE FLAT CABLE

	645 008 9992	FLEXIBLE FLAT CABLE CN301-S711

****

ACCESSORIES

LOCATION		PARTS NO.	DESCRIPTION
		645 007 9016	REMOCON(WITH COVER BATTERY) (VHR-795G,795EX)
OR		645 009 6204	REMOCON.INFRARED(WITH COVER BATTERY)(VHR-775G,775EX)
OR		645 009 0639	REMOCON(WITH COVER BATTERY) (VHR-795E ONLY)
OR		645 009 6211	REMOCON.INFRARED(WITH COVER BATTERY)(VHR-775E ONLY)
		613 145 3227	COVER BATTERY(FOR REMOCON) (VHR-795G,795E,795EX)
OR		613 154 5489	COVER BATTERY(FOR REMOCON) (VHR-775G,775E,775EX)
		613 160 6111	INSTRUCTION MANUAL(VHR-795G ONLY)
OR		613 164 7459	INSTRUCTION MANUAL,NL (VHR-795G ONLY)
OR		613 160 6128	INSTRUCTION MANUAL(VHR-775G ONLY)
OR		613 164 7442	INSTRUCTION MANUAL,NL (VHR-775G ONLY)
OR		613 161 8466	INSTRUCTION MANUAL(VHR-795E ONLY)
OR		613 161 8473	INSTRUCTION MANUAL(VHR-775E ONLY)
OR		613 162 5303	INSTRUCTION MANUAL(VHR-795EX ONLY)
OR		613 163 0697	INSTRUCTION MANUAL(VHR-775EX ONLY)
		613 164 7459	INSTRUCTION MANUAL(VHR-795G ONLY)
OR		613 164 7442	INSTRUCTION MANUAL(VHR-775G ONLY)
		613 077 4415	CABLE,ANT
OR		613 132 6125	CABLE,ANT
OR		645 003 1182	CABLE,ANT PAL
OR		645 003 3711	CABLE,ANT PAL
OR		645 009 4569	CABLE,ANT PAL
	⚠	613 095 0550	CORD,POWER (VHR-795G,775G,795EX,775EX)
OR	⚠	613 133 2393	CORD,POWER (VHR-795G,775G,795EX,775EX)
OR	⚠	645 002 6805	CORD,POWER (VHR-795G,775G,795EX,775EX)
OR	⚠	645 003 3766	CORD,POWER (VHR-795G,775G,795EX,775EX)
OR	⚠	613 136 6411	CORD,POWER(VHR-795E,775E)
OR	⚠	613 140 7473	CORD,POWER(VHR-795E,775E)
OR	⚠	645 011 4335	CORD,POWER(VHR-795E,775E)

SANYO Electric Co., Ltd.
Osaka, Japan

Feb./'95/3200 NS Printed in Japan

VHR-795G VHR-795E
VHR-775G VHR-775E
VHR-795EX
VHR-775EX

BLOCK DIAGRAMS,CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS

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PP4H/G,G2,EX,EX2,E,E2 52N

REFERENCE No.SM531435

NOTES:

1. All resistance values in "OHMS" unless otherwise noted.
   (K=1,000 ; M=1,000,000)
2. All capacitance values in "μF" unless otherwise noted.
   p=pico farad ; μ ,u or U=micro farad
3. All inductance values in "μH" unless otherwise noted.
   μ ,u or U=micro henry ; m=milli henry

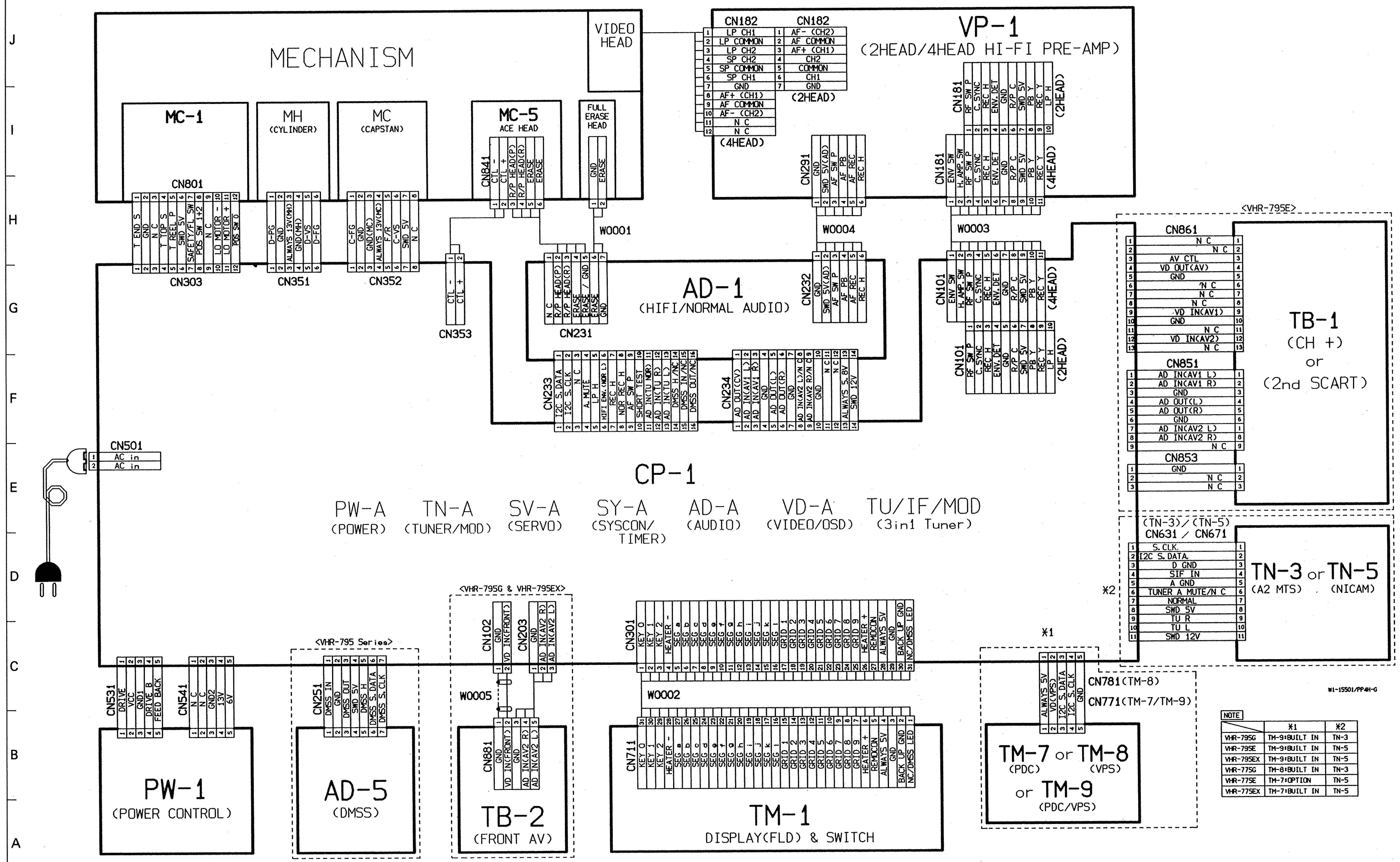
PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A SYMBOL (⚠) IN THIS SCHEMATIC DIAGRAM DESIGNATES COMPONENTS WHOSE VALUE ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY.
SHOULD ANY COMPONENT DESIGNATED BY A SYMBOL NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST.
DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

PAL-B

1. OVERALL WIRING,MECHANISM CONNECTION, & BLOCK DIAGRAMS

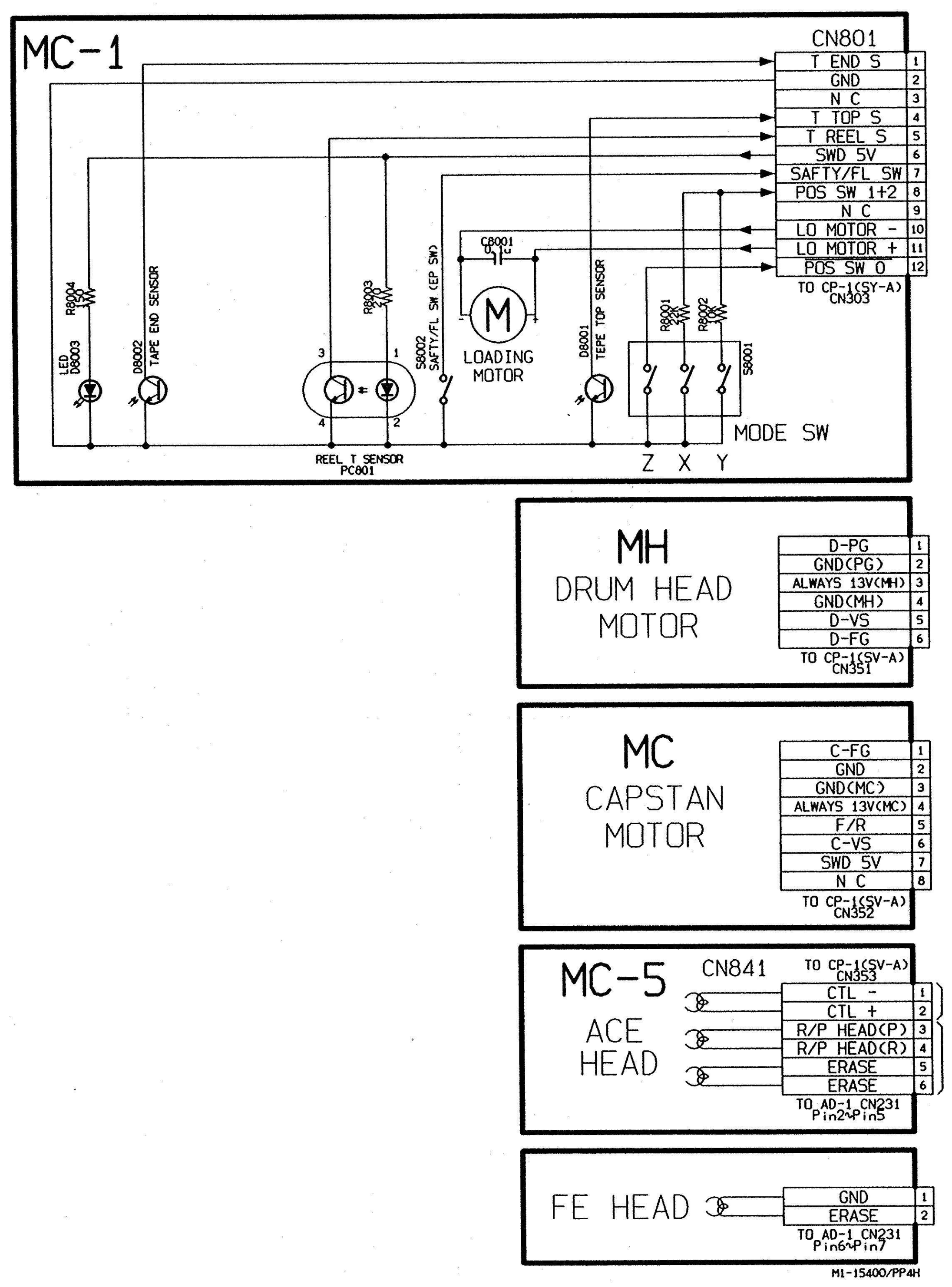
OVERALL WIRING


MECHANISM
VIDEO HEAD
MC-1
MH (CYLINDER)
MC (CAPSTAN)
MC-5 ACE HEAD
FULL ERASE HEAD
CN801
CN303
CN351
CN352
CN841
CN353
W0001
VP-1 (2HEAD/4HEAD HI-FI PRE-AMP)
CN182
LP CH1
LP COMMON
LP CH2
SP CH2
SP COMMON
SP CH1
GND
AF+ (CH1)
AF COMMON
AF- (CH2)
N C
(4HEAD)
AF- (CH2)
AF COMMON
AF+ (CH1)
CH2
COMMON
CH1
(2HEAD)
CN291
CN181
W0004
W0003
AD-1 (HIFI/NORMAL AUDIO)
CN231
CN232
CN101
CN233
CN234
<VHR-795E>
CN861
CN851
CN853
TB-1 (CH +) or (2nd SCART)
(TN-3)/(TN-5)
CN631 / CN671
TN-3 or TN-5
(A2 MTS) (NICAM)
※2
※1
CP-1
PW-A (POWER)
TN-A (TUNER/MOD)
SV-A (SERVO)
SY-A (SYSCON/TIMER)
AD-A (AUDIO)
VD-A (VIDEO/OSD)
TU/IF/MOD (3in1 Tuner)
CN501
AC in
AC in
CN531
CN541
<VHR-795 Series>
CN251
<VHR-795G & VHR-795EX>
CN102
CN203
W0005
CN881
CN301
W0002
CN711
CN781(TM-8)
CN771(TM-7/TM-9)
PW-1 (POWER CONTROL)
AD-5 (DMSS)
TB-2 (FRONT AV)
TM-1 DISPLAY(FLD) & SWITCH
TM-7 or TM-8
(PDC) (VPS)
or TM-9
(PDC/VPS)
W1-15501/PP4H-G

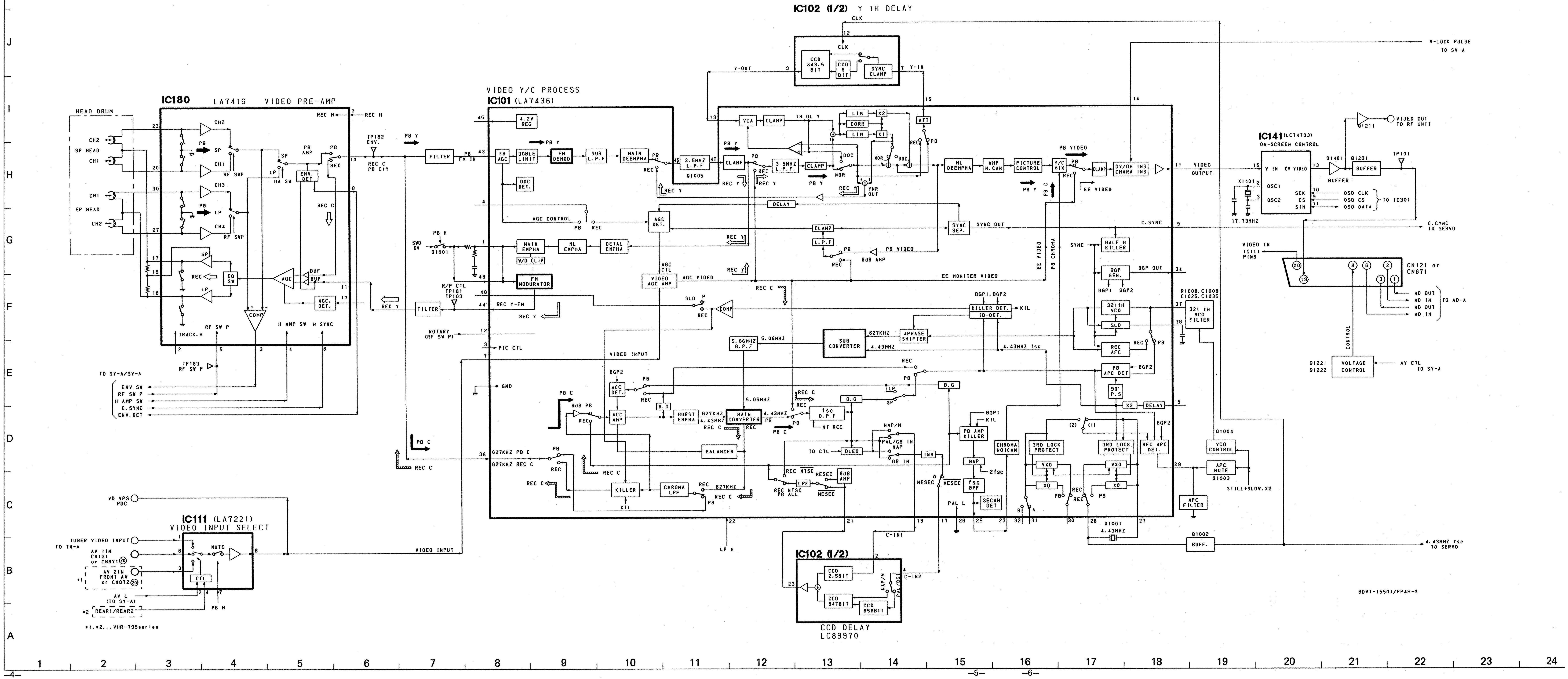
NOTE

	※1	※2
VHR-795G	TM-9:BUILT IN	TN-3
VHR-795E	TM-9:BUILT IN	TN-5
VHR-795EX	TM-9:BUILT IN	TN-5
VHR-775G	TM-8:BUILT IN	TN-3
VHR-775E	TM-7:OPTION	TN-5
VHR-775EX	TM-7:BUILT IN	TN-5

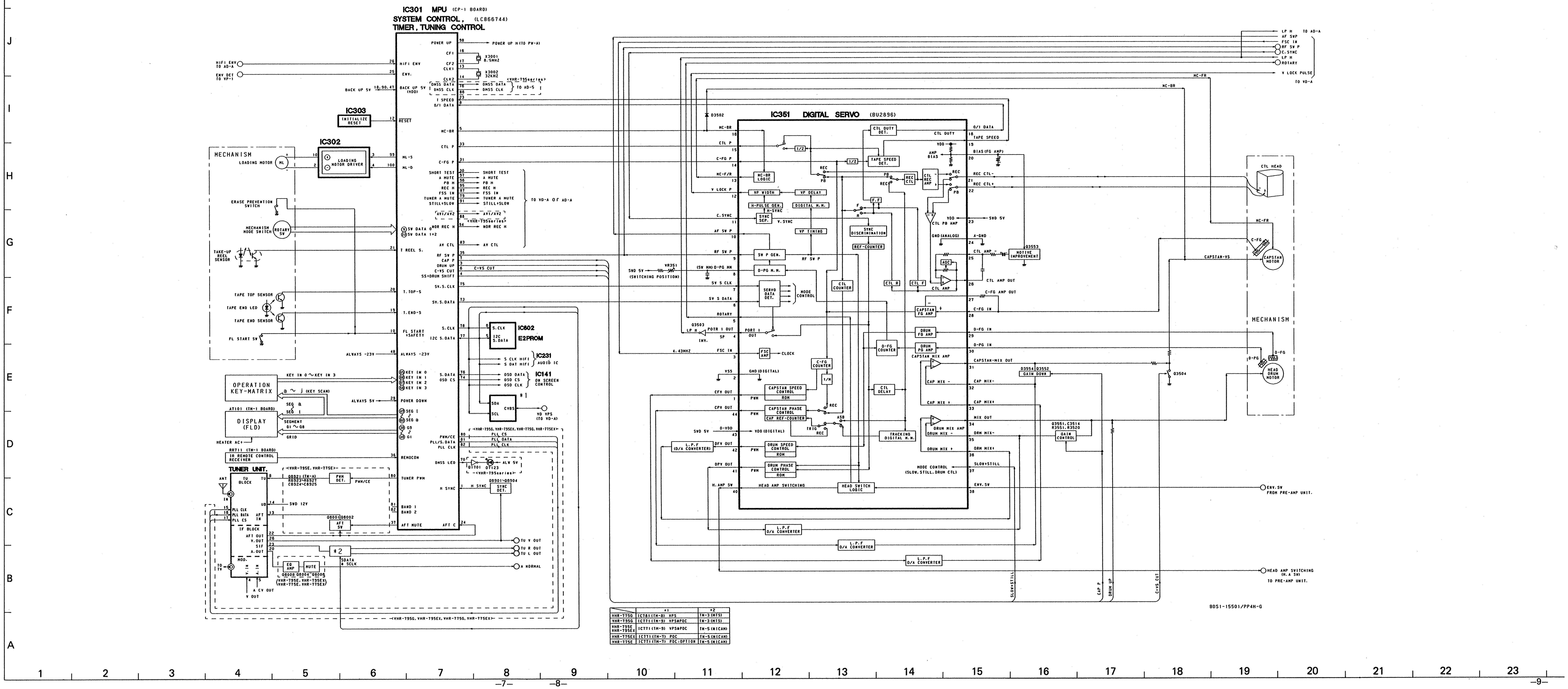
MECHANISM CONNECTION


MC-1
CN801
T END S
GND
N C
T TOP S
T REEL S
SWD 5V
SAFTY/FL SW
POS SW 1+2
N C
LO MOTOR -
LO MOTOR +
POS SW 0
TO CP-1(SV-A) CN303
LOADING MOTOR
REEL T SENSOR PC601
MODE SW
Z X Y
MH
DRUM HEAD MOTOR
D-PG
GND(PG)
ALWAYS 13V(MH)
GND(MH)
D-VS
D-FG
TO CP-1(SV-A) CN351
MC
CAPSTAN MOTOR
C-FG
GND
GND(MC)
ALWAYS 13V(MC)
F/R
C-VS
SWD 5V
N C
TO CP-1(SV-A) CN352
MC-5
ACE HEAD
CN841
TO CP-1(SV-A) CN353
CTL -
CTL +
R/P HEAD(P)
R/P HEAD(R)
ERASE
ERASE
TO AD-1 CN231 Pin2~Pin5
FE HEAD
GND
ERASE
TO AD-1 CN231 Pin6~Pin7
M1-15400/PP4H

VIDEO CIRCUIT


IC102 (1/2) Y 1H DELAY
CLK
CCD 843.5 BIT
CCD 6 BIT
SYNC CLAMP
Y-OUT
Y-IN
V-LOCK PULSE TO SY-A
HEAD DRUM
CH2
SP HEAD
CH1
CH1
EP HEAD
CH2
IC180 LA7416 VIDEO PRE-AMP
REC H
SP
LP
RF SW P
PB AMP
ENV. DET
HA SW
AGC
EQ SW
BUF
AGC DET.
COMP
TRACK. H
RF SW P
H AMP SW
H SYNC
TP182 ENV.
TP183 RF SW P
REC C PB C+Y
PB Y
FILTER
FM IN
TO SY-A/SY-A
ENV SW
RF SW P
H AMP SW
C. SYNC
ENV. DET
VIDEO Y/C PROCESS
IC101 (LA7436)
4.2V REG
FM AGC
DOBLE LIMIT
FM DEMOD
SUB L.P.F
MAIN DEEMPHA
3.5MHZ L.P.F
Q1005
CLAMP
VCA
1H DL Y
LIM
CORR
K1
K2
DOC
NOR
YNR OUT
ATT
NL DEEMPHA
WHP N.CAN
PICTURE CONTROL
Y/C MIX
CLAMP
QV/QH INS CHARA INS
VIDEO OUTPUT
PB VIDEO
EE VIDEO
DOC DET.
DELAY
AGC CONTROL
AGC DET.
SYNC SEP.
SYNC OUT
C. SYNC
SWD 5V
PB H
Q1001
MAIN EMPHA
W/D CLIP
NL EMPHA
DETAL EMPHA
L.P.F
6dB AMP
HALF H KILLER
SYNC
BGP GEN.
BGP OUT
BGP1
BGP2
R/P CTL TP181 TP103
FM MODURATOR
VIDEO AGC AMP
AGC VIDEO
EE MONITER VIDEO
REC Y-FM
REC Y
FILTER
ROTARY (RF SW P)
PIC CTL
GND
SLD
COMP
KILLER DET.
ID-DET.
KIL
321fH VCO
SLD
REC AFC
PB APC DET
90° P.S
X2
DELAY
SUB CONVERTER
627KHZ
4.43MHZ
4PHASE SHIFTER
4.43MHZ fsc
5.06MHZ B.P.F
5.06MHZ
VIDEO INPUT
BGP2
ACC DET.
ACC AMP
B.G
BURST EMPHA
MAIN CONVERTER
fsc B.P.F
NT REC
6dB PB
PB C
627KHZ PB C
627KHZ REC C
BALANCER
KILLER
CHROMA LPF
627KHZ
TD CTL
DLEQ
NAP/H
PAL/GB IN
NAP
GB IN
INV
PB AMP KILLER
NAP
2fsc
fsc BPF
SECAM DET
MESEC
REC NTSC
LPF
REC NTSC PB ALL
6dB AMP
CHROMA NOICAN
3RD LOCK PROTECT
VXO
XO
REC APC DET.
PAL L
X1001 4.43MHZ
IC102 (1/2)
CCD 2.5BIT
CCD 847BIT
CCD 858BIT
C-IN1
C-IN2
NAP/H
PAL/BGI
CCD DELAY LC89970
LP H
VD VPS PDC
IC111 (LA7221) VIDEO INPUT SELECT
TUNER VIDEO INPUT TO TN-A
AV 1IN CN121 or CN871 ⑳
AV 2IN FRONT AV or CN872 ⑳
AV L (TO SY-A)
REAR1/REAR2
MUTE
CTL
PB H
*1, *2...VHR-T95series
IC141 (LC74783) ON-SCREEN CONTROL
V IN
CV VIDEO
OSC1
OSC2
SCK
CS
SIN
X1401
17.73MHZ
OSD CLK
OSD CS
OSD DATA
TO IC301
Q1401
BUFFER
Q1201
BUFFER
TP101
Q1211
VIDEO OUT TO RF UNIT
C. SYNC TO SERVO
VIDEO IN IC111 PIN6
CN121 or CN871
AD OUT
AD IN
AD OUT
AD IN
TO AD-A
CONTROL
Q1221 Q1222 VOLTAGE CONTROL
AV CTL TO SY-A
R1008, C1008 C1025, C1036
321 fH VCO FILTER
Q1004 VCO CONTROL
APC MUTE
Q1003
STILL+SLOW. X2
APC FILTER
Q1002 BUFF.
4.43MHZ fsc TO SERVO
BDV1-15501/PP4H-G
K J I H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

SYSTEM CONTROL & SERVO CIRCUIT


IC301 MPU (CP-1 BOARD)
SYSTEM CONTROL, (LC866744)
TIMER, TUNING CONTROL
IC303
INITIALIZE RESET
IC302
LOADING MOTOR DRIVER
MECHANISM
LOADING MOTOR
ERASE PREVENTION SWITCH
MECHANISM MODE SWITCH
ROTARY SW
TAKE-UP REEL SENSOR
TAPE TOP SENSOR
TAPE END LED
TAPE END SENSOR
FL START SW
OPERATION KEY-MATRIX
DISPLAY (FLD)
IR REMOTE CONTROL RECEIVER
TUNER UNIT.
IC602
E2PROM
IC231
AUDIO IC
IC141
ON SCREEN CONTROL
IC351 DIGITAL SERVO (BU2896)
MC-BR LOGIC
SERVO DATA DET.
CAPSTAN SPEED CONTROL
CAPSTAN PHASE CONTROL
DRUM SPEED CONTROL
DRUM PHASE CONTROL
HEAD SWITCH LOGIC
L.P.F D/A CONVERTER
CTL HEAD
CAPSTAN MOTOR
HEAD DRUM MOTOR
MECHANISM
ENV. SW FROM PRE-AMP UNIT.
HEAD AMP SWITCHING (H.A SW) TO PRE-AMP UNIT.
80S1-15501/PP4H-G
K
J
I
H
G
F
E
D
C
B
A
1
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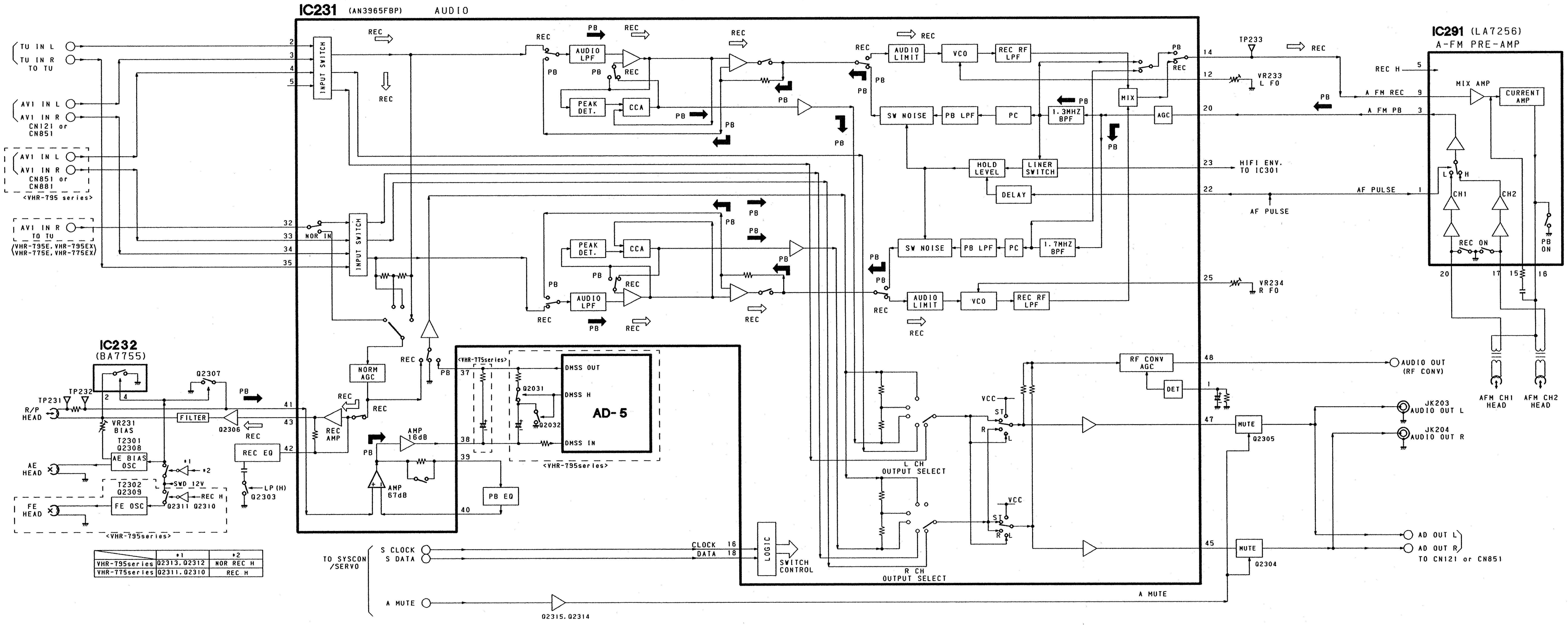
	*1	*2
VHR-775G	IC781 (TM-8) VPS	TN-3 (MTS)
VHR-795G	IC771 (TM-9) VPS&PDC	TN-3 (MTS)
VHR-795E VHR-795EX	IC771 (TM-9) VPS&PDC	TN-5 (NICAM)
VHR-775EX	IC771 (TM-7) PDC	TN-5 (NICAM)
VHR-775E	IC771 (TM-7) PDC:OPTION	TN-5 (NICAM)

AUDIO CIRCUIT



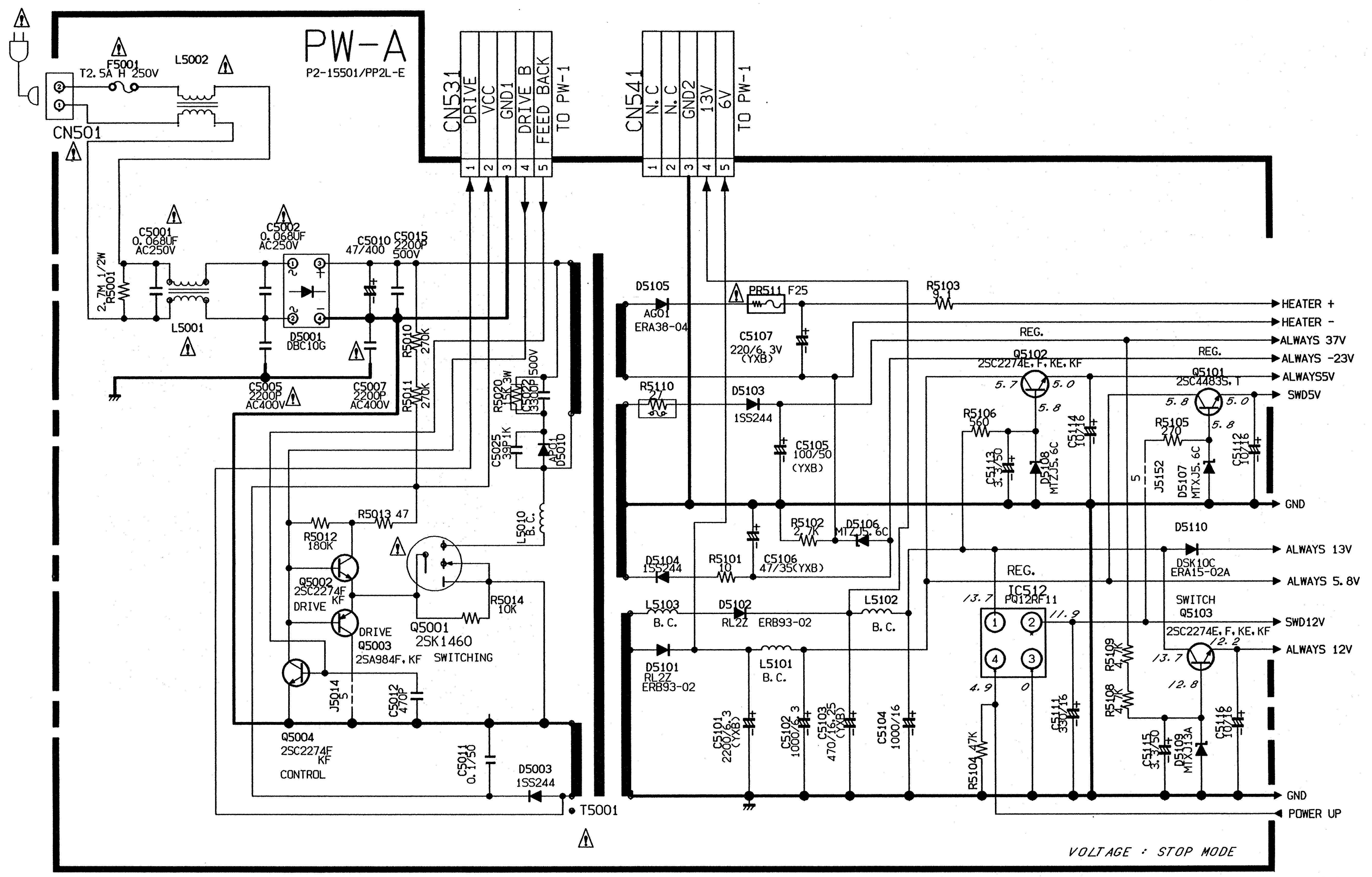
IC231 (AN3965FBP) AUDIO
IC291 (LA7256) A-FM PRE-AMP
IC232 (BA7755)
TU IN L
TU IN R
TO TU
AV1 IN L
AV1 IN R
CN121 or CN851
AV1 IN L
AV1 IN R
CN851 or CN881
<VHR-795 series>
AV1 IN R
TO TU
(VHR-795E, VHR-795EX)
(VHR-775E, VHR-775EX)
INPUT SWITCH
NOR IN
REC
PB
AUDIO LPF
PEAK DET.
CCA
AUDIO LIMIT
VCO
REC RF LPF
SW NOISE
PB LPF
PC
1.3MHZ BPF
1.7MHZ BPF
MIX
AGC
HOLD LEVEL
LINER SWITCH
DELAY
TP233
VR233 L FO
VR234 R FO
HIFI ENV. TO IC301
AF PULSE
REC H
A FM REC
A FM PB
MIX AMP
CURRENT AMP
CH1
CH2
REC ON
PB ON
AFM CH1 HEAD
AFM CH2 HEAD
NORM AGC
REC AMP
REC EQ
PB EQ
AMP 16dB
AMP 67dB
<VHR-775series>
DMSS OUT
DMSS H
DMSS IN
AD-5
Q2031
Q2032
<VHR-795series>
RF CONV AGC
DET
AUDIO OUT (RF CONV)
MUTE
Q2305
Q2304
JK203 AUDIO OUT L
JK204 AUDIO OUT R
AD OUT L
AD OUT R
TO CN121 or CN851
VCC
ST
L CH OUTPUT SELECT
R CH OUTPUT SELECT
LOGIC
SWITCH CONTROL
CLOCK
DATA
S CLOCK
S DATA
TO SYSCON /SERVO
A MUTE
Q2315, Q2314
TP231
TP232
R/P HEAD
VR231 BIAS
FILTER
Q2306
Q2307
T2301 Q2308
AE BIAS OSC
AE HEAD
T2302 Q2309
FE OSC
FE HEAD
SWD 12V
REC H
Q2311 Q2310
LP (H)
Q2303
*1
*2

	*1	*2
VHR-795series	Q2313, Q2312	NOR REC H
VHR-775series	Q2311, Q2310	REC H

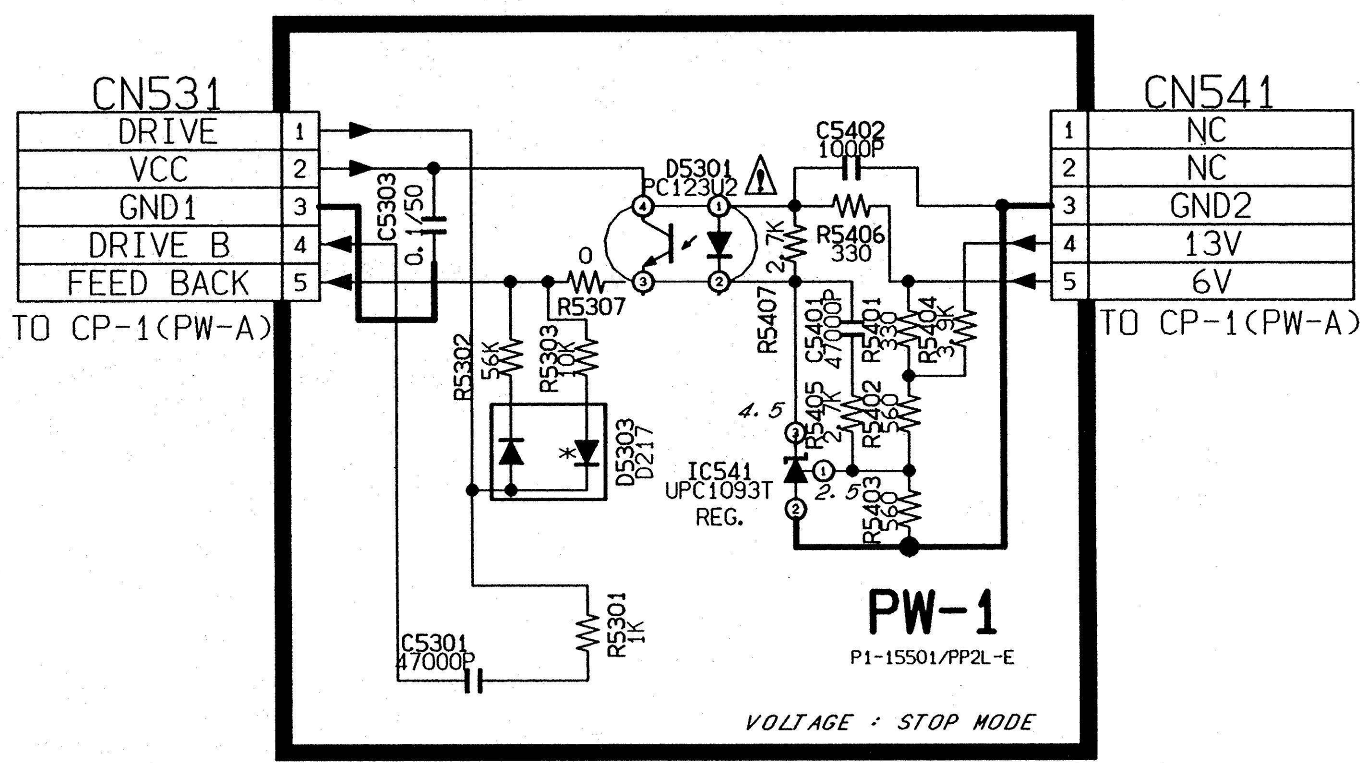
BDA1-15501/PP4H-G

2. CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS (P.W.B.)

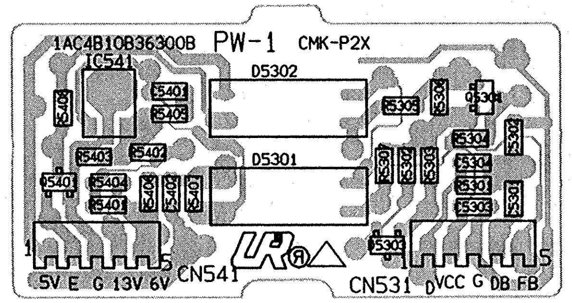
CP-1 BOARD (PW-A) POWER SUPPLY


PW-A
P2-15501/PP2L-E
CN501
F5001
T2.5A H 250V
L5002
CN531
DRIVE
VCC
GND1
DRIVE B
FEED BACK
TO PW-1
CN541
N.C
N.C
GND2
13V
6V
TO PW-1
C5001
0.068UF
AC250V
C5002
0.068UF
AC250V
C5010
47/400
C5015
2200P
500V
R5001
2.7M 1/2W
L5001
D5001
DBC10G
C5005
2200P
AC400V
C5007
2200P
AC400V
R5010
270K
R5011
270K
R5020
15K 3W
C5020
3300P 500V
C5025
39P 1K
D5010
L5010
B.C.
R5012
180K
R5013 47
Q5002
2SC2274F KF
DRIVE
Q5003
2SA984F,KF
DRIVE
Q5001
2SK1460
SWITCHING
R5014
10K
Q5004
2SC2274F KF
CONTROL
J5014
C5012
470P
C5011
0.1/50
D5003
1SS244
T5001
D5105
AG01
ERA38-04
PR511 F25
C5107
220/6.3V
(YXB)
R5103
3.3
R5110
27
D5103
1SS244
C5105
100/50
(YXB)
R5102
2.7K
D5106
MTZJ5.6C
D5104
1SS244
R5101
10
C5106
47/35(YXB)
L5103
B.C.
D5102
RL2Z
ERB93-02
D5101
RL2Z
ERB93-02
L5101
B.C.
L5102
B.C.
C5101
2200/6.3
(YXB)
C5102
1000/6.3
C5103
470/16
(YXB)
C5104
1000/16
REG.
Q5102
2SC2274E,F,KE,KF
5.7
5.0
5.8
R5106
560
C5113
3.3/50
D5108
MTZJ5.6C
C5114
10/16
REG.
Q5101
2SC4483S,T
5.8
5.0
5.8
R5105
270
J5152
D5107
MTZJ5.6C
C5112
10/16
D5110
DSK10C
ERA15-02A
REG.
IC512
PQ12RF11
13.7
11.9
4.9
0
R5104
4.7K
C5111
330/16
SWITCH
Q5103
2SC2274E,F,KE,KF
12.2
13.7
12.8
R5109
2.7K
R5108
4.7K
C5115
3.3/50
D5109
MTZJ13A
C5116
10/16
HEATER +
HEATER −
ALWAYS 37V
ALWAYS −23V
ALWAYS5V
SWD5V
GND
ALWAYS 13V
ALWAYS 5.8V
SWD12V
ALWAYS 12V
GND
POWER UP
VOLTAGE : STOP MODE

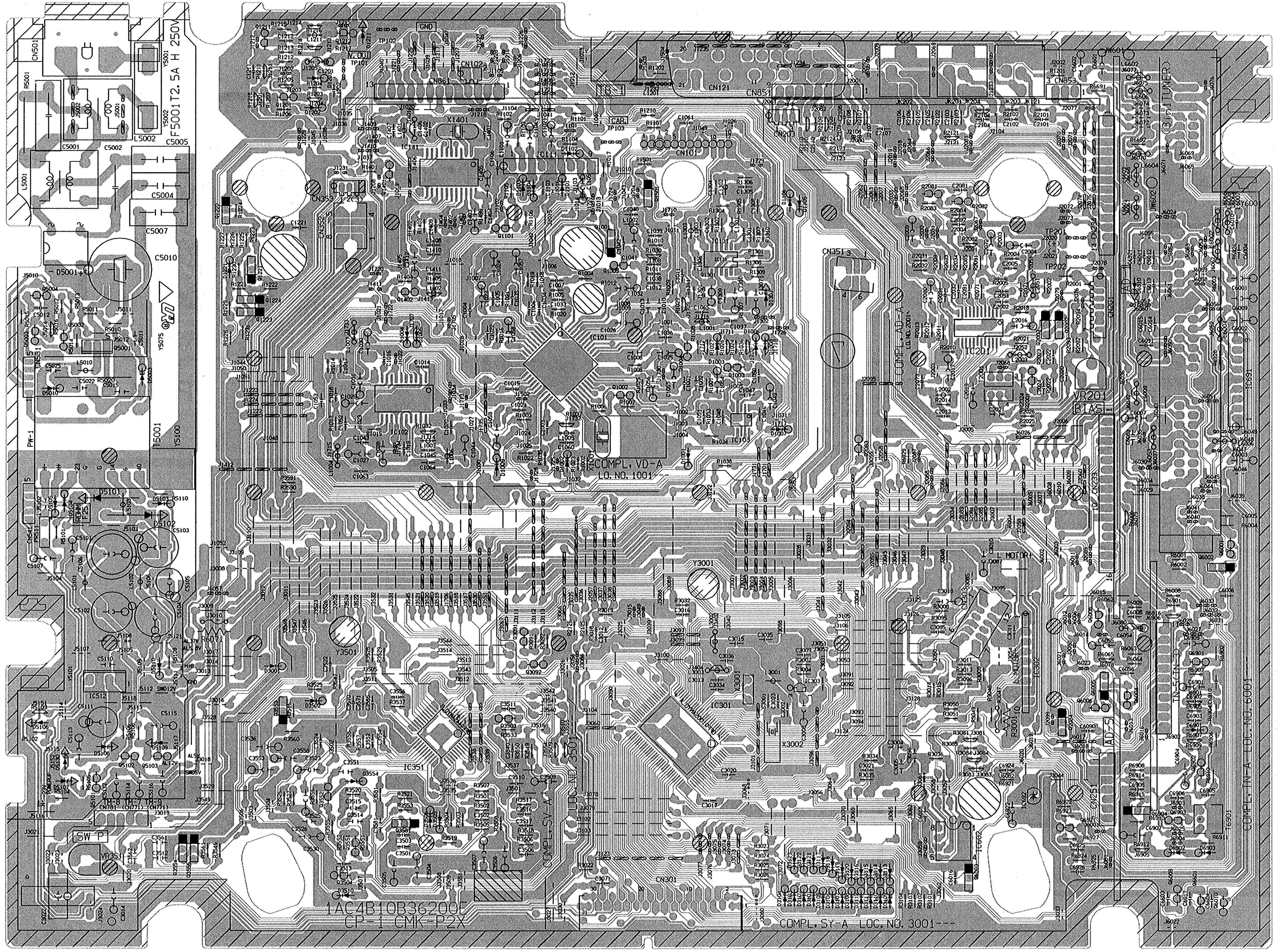
PW-1 BOARD POWER SUPPLY


CN531
DRIVE
VCC
GND1
DRIVE B
FEED BACK
TO CP-1(PW-A)
CN541
NC
NC
GND2
13V
6V
TO CP-1(PW-A)
C5303
0.1/50
D5301
PC123U2
C5402
1000P
R5406
330
R5407
2.7K
R5307
0
R5302
56K
R5303
10K
D5303
D217
C5401
47000P
R5301
330
R5402
560
R5404
3.9K
R5405
2.2K
IC541
UPC1093T
REG.
4.5
2.5
R5403
560
C5301
47000P
R5301
1K
PW-1
P1-15501/PP2L-E
VOLTAGE : STOP MODE

PW-1 P.W.B.


1AC4B10B36300B
PW-1
CMK-P2X
IC541
D5302
D5301
CN541
CN531
5V E G 13V 6V
VCC G DB FB

CP-1 P.W.B.



F5001 T2.5A H 250V
COMPL. VD-A LO. NO. 1001
COMPL. AD-A LO. NO. 2001
VR201
BIAS
TUNER
COMPL. IN-A LOC. NO. 5001
COMPL. SY-A LOC. NO. 3001---
1AC4B10B36200E
CP-1 CMK-P2X
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
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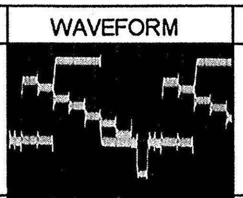
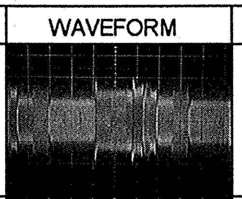
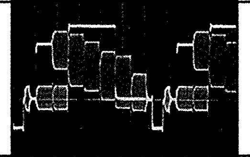
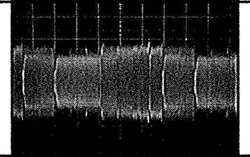
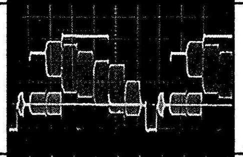
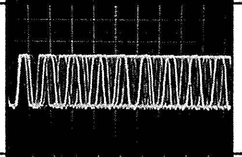
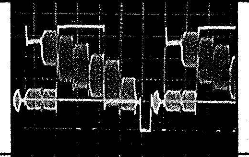
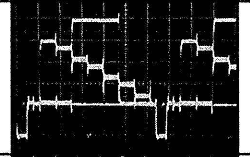
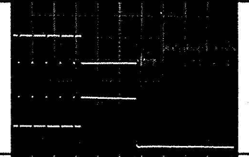
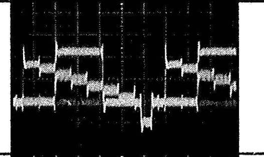
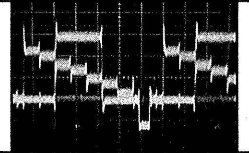
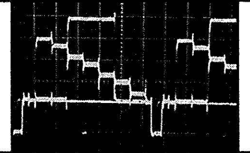
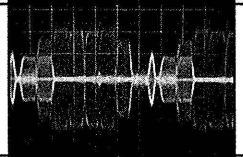
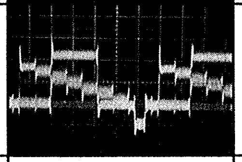
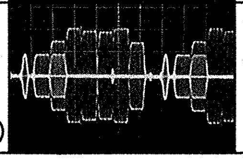
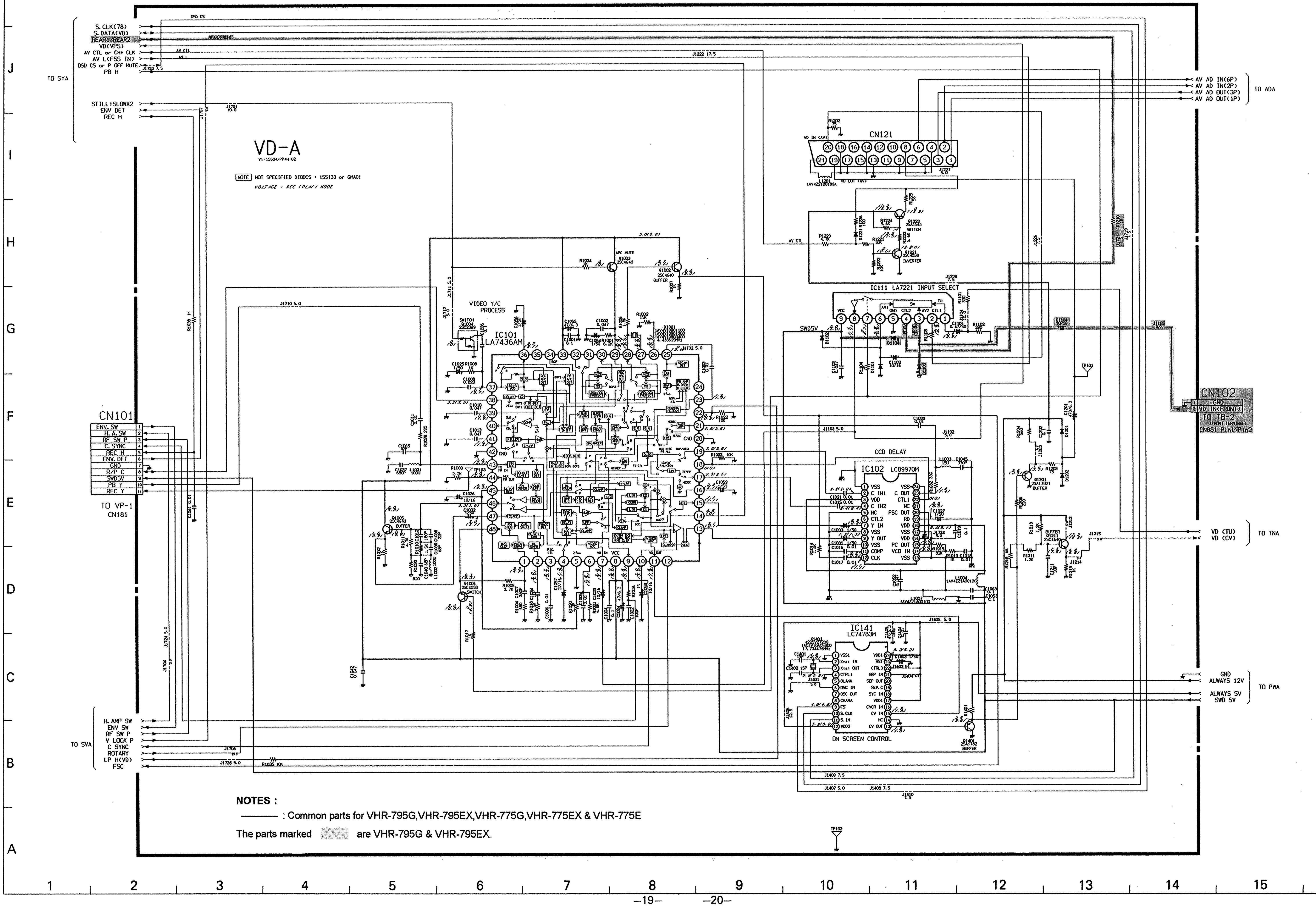
VIDEO CIRCUIT WAVEFORMS

WF-V-TR

TEST LOCATION	WAVEFORM	MODE / LEVEL	TEST LOCATION	WAVEFORM	MODE / LEVEL
IC 101 Pin 1		REC, EE 0.5Vp-p	IC 101 Pin 38 (PB CHROMA IN)		PB 0.3Vp-p
IC 101 Pin 7 (VIDEO IN)		REC, EE 1.0Vp-p	IC 101 Pin 43 (PB FM IN)		PB 0.6Vp-p
IC 101 Pin 11 (VIDEO OUT)		REC, EE 2.0Vp-p	IC 101 Pin 44 TP103 (REC FM OUT)		REC 2.0Vp-p
IC 101 Pin 11 (VIDEO OUT)		PB 2.5Vp-p	IC 101 Pin 46		REC, EE 0.5Vp-p
IC 101 (UPPER) Pin 11 (LOWER) Pin 14		STILL (UPPER) 2.0Vp-p (LOWER) 5.0Vp-p	IC 101 Pin 46		PB 0.6Vp-p
IC 101 Pin 13 Pin 15		PB 0.4Vp-p	IC 101 Pin 47		REC, EE 0.5Vp-p
IC 101 Pin 17 Pin 19 Pin 21		PB 0.4Vp-p	IC 101 Pin 47		PB 0.6Vp-p
IC 101 Pin 38 (REC CHROMA OUT)		REC 0.4Vp-p			

CP-1 BOARD (VD-A) VIDEO(EXCEPT VHR-795E)


VD-A
V1-15504/PP4H-G2
NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01
VOLTAGE : REC (PLAY) MODE
TO SYA
S. CLK(78)
S. DATA(VD)
REAR1/REAR2
VD(VPS)
AV CTL or CH+ CLK
AV L(FSS IN)
OSD CS or P OFF MUTE
PB H
STILL+SLOWX2
ENV DET
REC H
OSD CS
REAR/FRONT
AV CTL
AV L
J1723 7.5
J1701 10.0
J1222 17.5
CN101
ENV. SW
H. A. SW
RF SW P
C. SYNC
REC H
ENV. DET
GND
R/P C
SWD5V
PB Y
REC Y
TO VP-1
CN181
TO SVA
H. AMP SW
ENV SW
RF SW P
V LOCK P
C SYNC
ROTARY
LP H(VD)
FSC
J1706
J1728 5.0
R1035 10K
J1724 5.0
J1704
J1710 5.0
J1711 5.0
J1712 5.0
VIDEO Y/C PROCESS
SWITCH Q1004 2SC3399
IC101 LA7436AM
APC MUTE Q1003 2SC4640
Q1002 2SC4640 BUFFER
R1024
R1007 1K
R1002 15K
X1001 1AV4V10801100 1AV4V10801200 1AV4V10802400 4.433619MHz
J1732 5.0
C1055 47/6.3
C1002 0.047
C1001 0.1
C1054 1/50
R1001 8.2K
C1025 1/50
R1008 1K
C1008 0.022
C1010 0.047
C1013 0.047
C1065
C1011
R1028 220
R1009 2.2K
TP103
C1026 10/16
C1032
C1037 68P
L1001 100U
Q1005 2SC4640 BUFFER
R1012
R1011
Q1001 2SC4038 SWITCH
R1005 2.7K
R1017
C1062
C1061 0.01
R1022 10K
R1003 10K
C1059
CN121
VD IN (AV)
VD OUT (AV)
R1202 75
L1201 1AV4Z21B0190A
J1227 5.0
R1225
Q1222 2SA1561 SWITCH
R1224 5.6K
R1226
D1221
R1229 4.7K
AV CTL
R1221 10K
R1223 5.6K
R1222 10K
Q1221 2SC4038 INVERTER
J1226 7.5
R1210
J1721 7.5
J1719 7.5
AV AD IN(6P)
AV AD IN(2P)
AV AD OUT(3P)
AV AD OUT(1P)
TO ADA
J1229 7.5
IC111 LA7221 INPUT SELECT
VCC
AV1
GND
CTL2
SW
AV2
CTL1
TU
SWD5V
D1102
D1104
C1103 0.047
R1104
D1101
C1102 10/16
D1103
R1103
C1101 0.47/50
J1104 5.0
R1101 330
R1102 390
C1104 10/16
J1105
TP101
C1201 470/6.3
CN102
GND
VD IN(FRONT)
TO TB-2
(FRONT TERMINAL)
CN881 Pin1~Pin2
J1103 5.0
C1020 0.01
J1102 5.0
CCD DELAY
IC102 LC89970M
VSS
C IN1
VDD
C IN2
NC
CTL2
Y IN
VSS
Y OUT
VSS
COMP
CLK
VSS
C OUT
CTL1
NC
FSC OUT
RD
VDD
VSS
VDD
PC OUT
VCO IN
VSS
C1021 0.01
C1015 0.01
C1030 1/50
C1031 1/50
C1016 0.01
C1017 0.01
R1014 1.8K
R1032 330
L1003 15U
C1045 330P
C1027 1/50
C1019 0.1
J1734 5.0
R1015 82K
R1013 1K
C1018 0.01
C1052
L1004 1AV4Z21A00100
C1063 0.1
C1053 0.1
L1007 1AV4Z21A00100
R1204
C1202
D1201
R1203
D1202
Q1201 2SA1762T BUFFER
R1206
R1213
BUFFER Q1211 2SC4640
J1213
J1215
J1214
R1211 1.2K
R1218 68
VD (TU)
VD (CV)
TO TNA
IC141 LC74783M
X1401 42SV27200 1AC4V10A05900 17.734476MHz
C1401 15P
C1402 15P
J1401 5.0
C1405
C1404
VSS1
Xtal IN
Xtal OUT
CTRL1
BLANK
OSC IN
OSC OUT
CHARA
CS
S. CLK
S. IN
VDD2
VDD1
RST
CTRL3
SEP IN
SEP OUT
SEP. C
SYC IN
VDD1
CVCR IN
CV IN
NC
CV OUT
C1403 1/50
J1402 5.0
J1404 5.0
J1405 5.0
ON SCREEN CONTROL
J1406 12.5
R1401
Q1401 2SA1762 BUFFER
J1408 7.5
J1407 5.0
J1408 7.5
J1410 7.5
GND
ALWAYS 12V
ALWAYS 5V
SWD 5V
TO PWA
TP102
K
J
I
H
G
F
E
D
C
B
A
1
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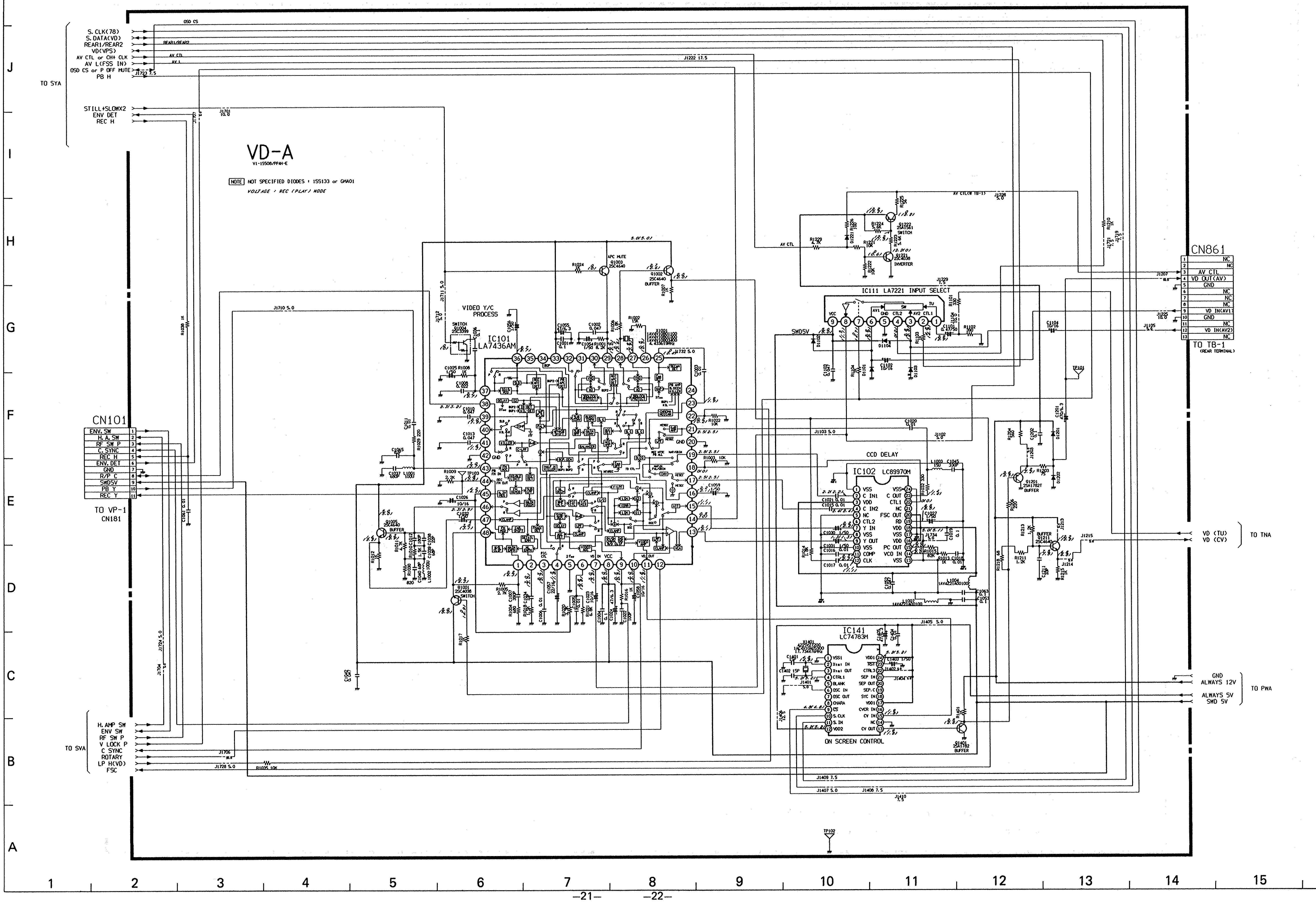
NOTES :

——— : Common parts for VHR-795G,VHR-795EX,VHR-775G,VHR-775EX & VHR-775E

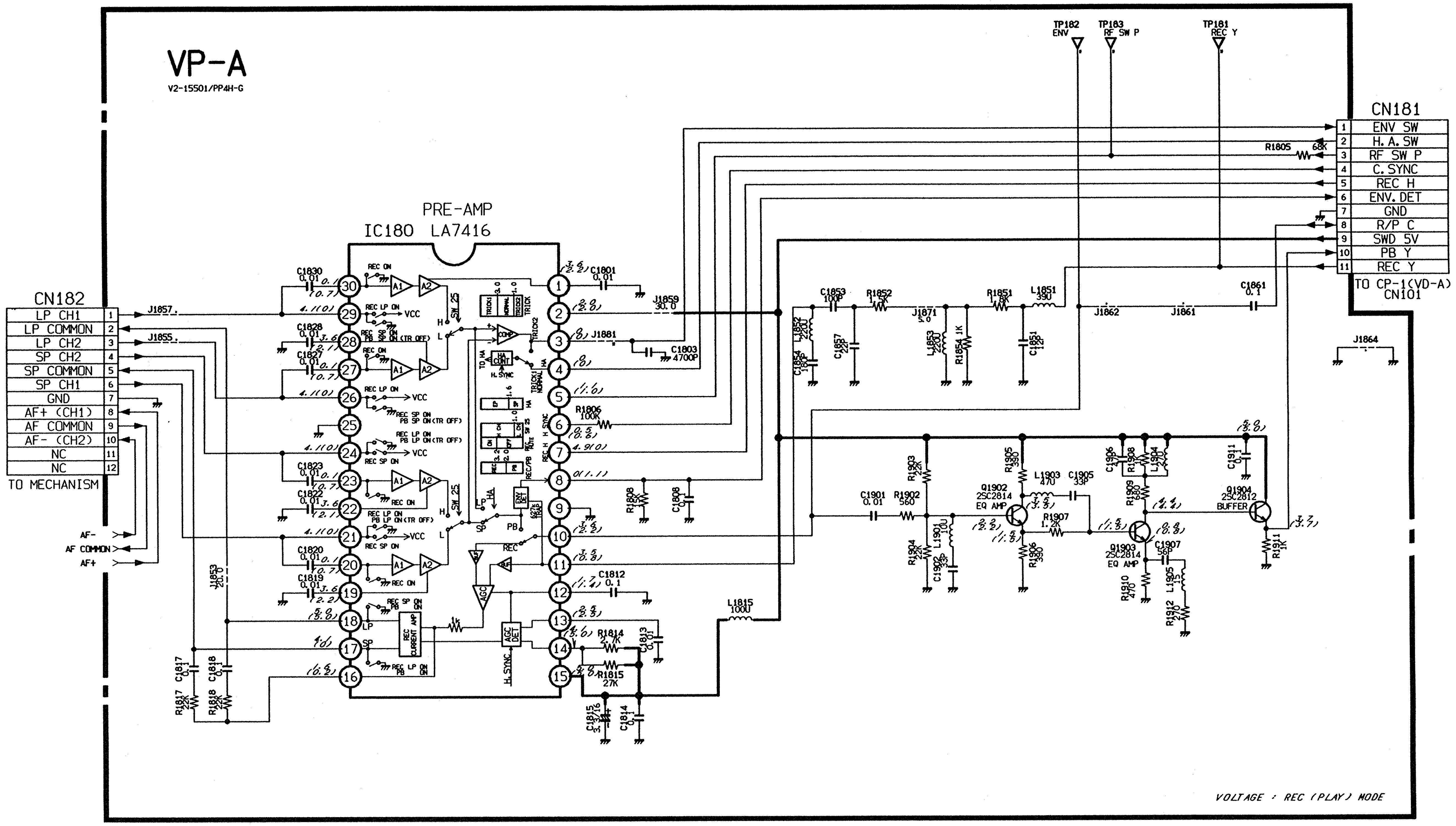
The parts marked ▨ are VHR-795G & VHR-795EX.

CP-1 BOARD (VD-A) VIDEO(VHR-795E)

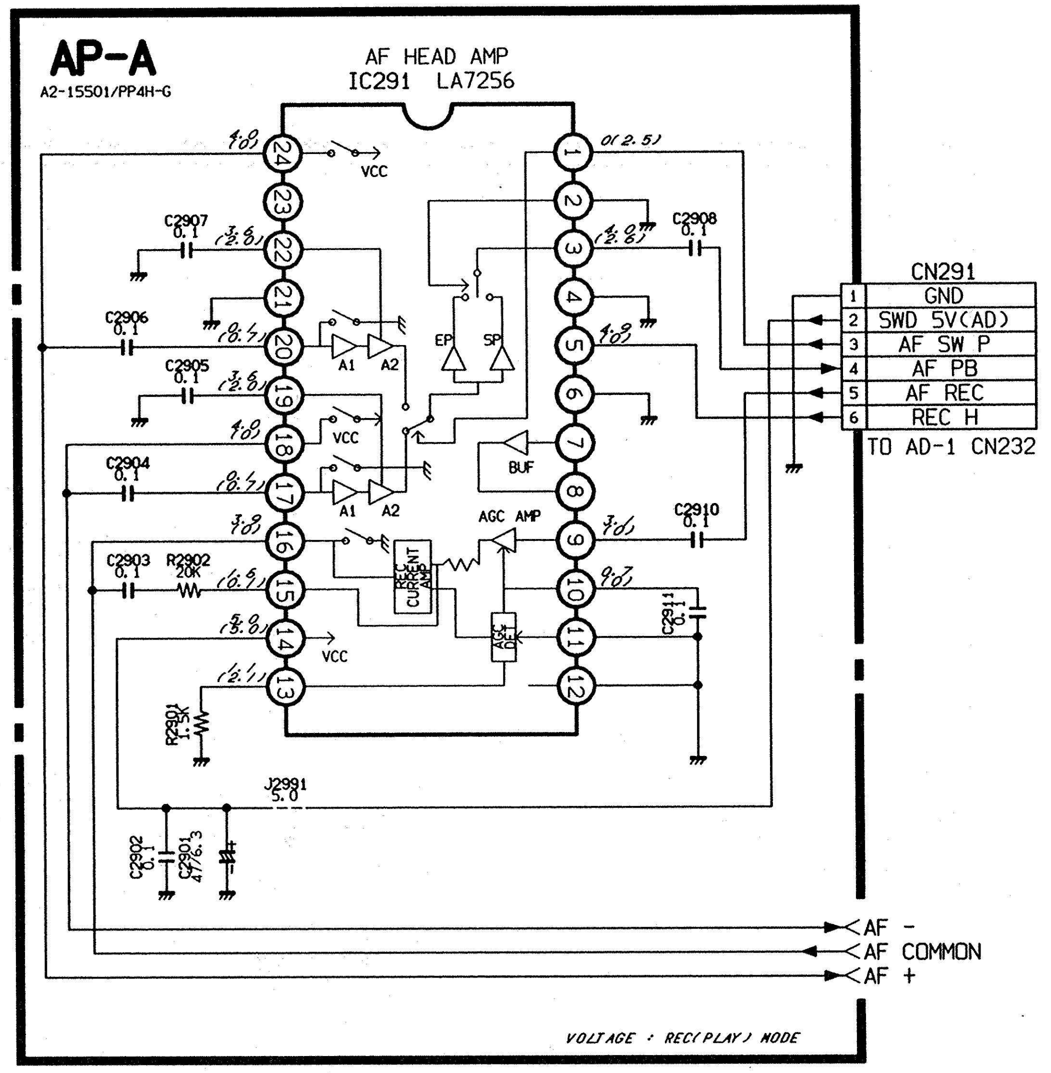

VD-A
VI-15508/PP4H-E
NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01
VOLTAGE : REC (PLAY) MODE
TO SYA
S. CLK(7B)
S. DATA(VD)
REAR1/REAR2
VD(VPS)
AV CTL or CH+ CLK
AV L(FSS IN)
OSD CS or P OFF MUTE
PB H
STILL+SLOWX2
ENV DET
REC H
OSD CS
CN101
ENV. SW
H. A. SW
RF SW P
C. SYNC
REC H
ENV. DET
GND
R/P C
SWD5V
PB Y
REC Y
TO VP-1
CN181
TO SVA
H. AMP SW
ENV SW
RF SW P
V LOCK P
C SYNC
ROTARY
LP H(VD)
FSC
VIDEO Y/C
PROCESS
IC101
LA7436AM
APC MUTE
Q1003
2SC4640
Q1002
2SC4640
BUFFER
SWITCH
Q1004
2SC3399
Q1005
2SC4640
BUFFER
Q1001
2SC4038
SWITCH
IC111 LA7221 INPUT SELECT
SWD5V
Q1222
2SA1651
SWITCH
Q1221
2SC4038
INVERTER
AV CTL
AV CTL(TB-1)
CN861
NC
NC
AV CTL
VD OUT(AV)
GND
NC
NC
NC
VD IN(AV1)
GND
NC
VD IN(AV2)
NC
TO TB-1
(REAR TERMINAL)
CCD DELAY
IC102 LC89970M
VSS
C IN1
VDD
C IN2
NC
CTL2
Y IN
VSS
Y OUT
VSS
COMP
CLK
VSS
C OUT
CTL1
NC
FSC OUT
RD
VDD
VSS
VDD
PC OUT
VCO IN
VSS
Q1201
2SA1782T
BUFFER
Q1211
2SC4640
BUFFER
TP101
TP102
TP103
VD (TU)
VD (CV)
TO TNA
IC141
LC74783M
VSS1
Xtal IN
Xtal OUT
CTRL1
BLANK
OSC IN
OSC OUT
CHARA
CS
S. CLK
S. IN
VDD2
VDD1
RST
CTRL3
SEP IN
SEP OUT
SEP. C
SYC IN
VDD1
CVCR IN
CV IN
NC
CV OUT
ON SCREEN CONTROL
Q1401
2SA1782
BUFFER
GND
ALWAYS 12V
ALWAYS 5V
SWD 5V
TO PWA
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15

K J I H G F E D C B A

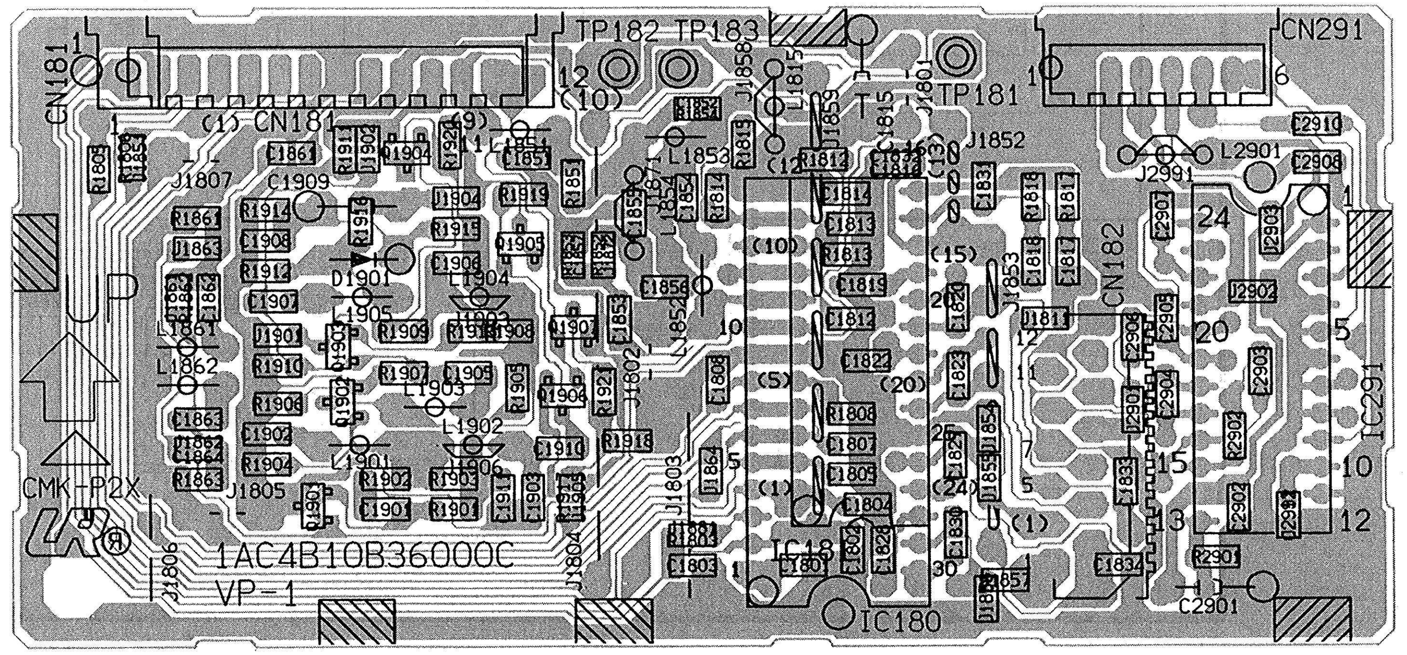
VP-1 BOARD (VP-A) VIDEO PRE-AMP


VP-A
V2-15501/PP4H-G
PRE-AMP
IC180 LA7416
CN182
1 LP CH1
2 LP COMMON
3 LP CH2
4 SP CH2
5 SP COMMON
6 SP CH1
7 GND
8 AF+ (CH1)
9 AF COMMON
10 AF- (CH2)
11 NC
12 NC
TO MECHANISM
AF-
AF COMMON
AF+
CN181
1 ENV SW
2 H.A.SW
3 RF SW P
4 C.SYNC
5 REC H
6 ENV.DET
7 GND
8 R/P C
9 SWD 5V
10 PB Y
11 REC Y
TO CP-1(VD-A) CN101
TP182 ENV
TP183 RF SW P
TP181 REC Y
R1805 68K
J1857
J1855
J1859
J1881
J1862
J1861
J1864
J1871
C1801 0.01
C1803 4700P
C1853 100P
R1852
R1851
L1851 390
C1861 0.1
Q1902 2SC2814 EQ AMP
Q1903 2SC2814 EQ AMP
Q1904 2SC2812 BUFFER
C1901 0.01
R1902 560
L1903 470
C1905 33P
R1907 1.2K
R1806 100K
C1812 0.1
L1815 100U
R1814
R1815 27K
A1
A2
AGC
REC CURRENT AMP
H.SYNC
VCC
REC
PB
VOLTAGE : REC (PLAY) MODE

VP-1 BOARD (AP-A) AUDIO PRE-AMP


AP-A
A2-15501/PP4H-G
AF HEAD AMP
IC291 LA7256
VCC
A1
A2
EP
SP
BUF
AGC AMP
REC CURRENT AMP
C2907 0.1
C2906 0.1
C2905 0.1
C2904 0.1
C2903 0.1
R2902 20K
C2908
C2910 0.1
C2911 0.1
R2901
J2991 5.0
C2902 0.1
C2901 47/6.3
CN291
1 GND
2 SWD 5V(AD)
3 AF SW P
4 AF PB
5 AF REC
6 REC H
TO AD-1 CN232
AF -
AF COMMON
AF +
VOLTAGE : REC(PLAY) MODE

VP-1 P.W.B.


CN181
TP182
TP183
TP181
CN291
CN182
IC180
IC291
CMK-P2X
1AC4B10B36000C
VP-1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

K

J

I

H

G

F

E

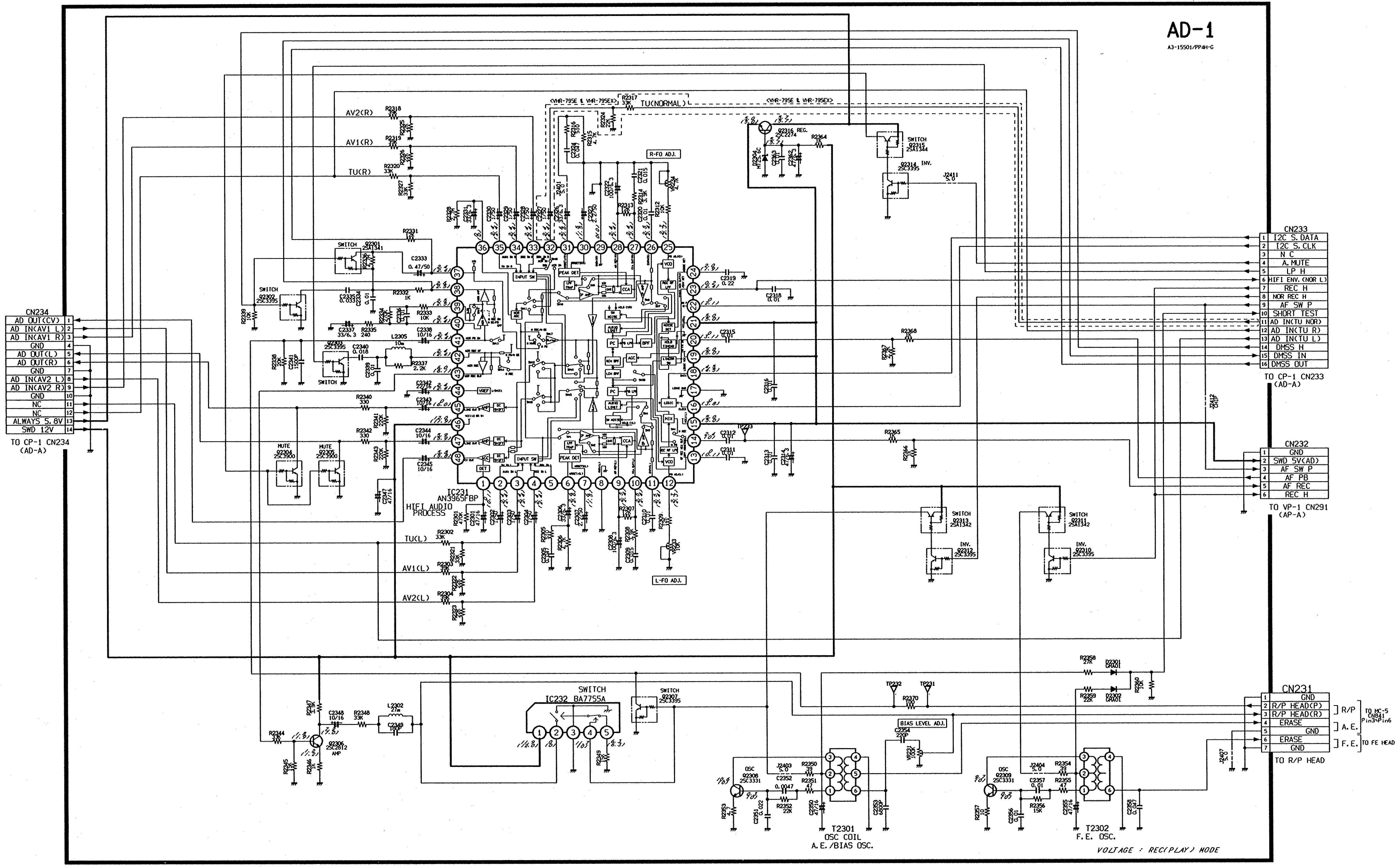
D

C

B

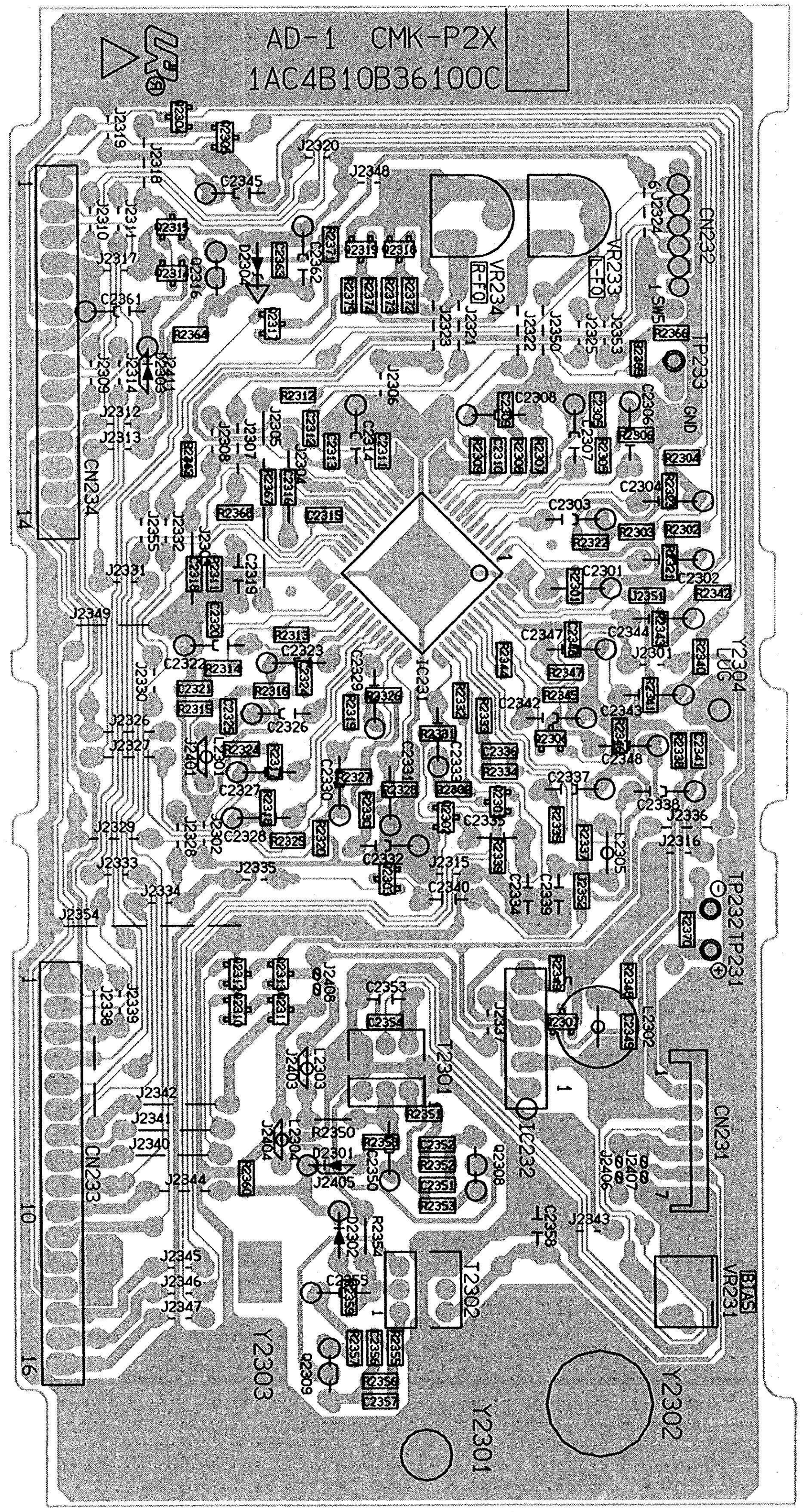
A

AD-1 BOARD AUDIO MAIN(VHR-795 series)



AD-1
AJ-15501/PP4H-G
CN234
1 AD OUT(CV)
2 AD IN(AV1 L)
3 AD IN(AV1 R)
4 GND
5 AD OUT(L)
6 AD OUT(R)
7 GND
8 AD IN(AV2 L)
9 AD IN(AV2 R)
10 GND
11 NC
12 NC
13 ALWAYS 5.8V
14 SWD 12V
TO CP-1 CN234 (AD-A)
CN233
1 I2C S.DATA
2 I2C S.CLK
3 N C
4 A.MUTE
5 LP H
6 HIFI ENV.(NOR L)
7 REC H
8 NOR REC H
9 AF SW P
10 SHORT TEST
11 AD IN(TU NOR)
12 AD IN(TU R)
13 AD IN(TU L)
14 DMSS H
15 DMSS IN
16 DMSS OUT
TO CP-1 CN233 (AD-A)
CN232
1 GND
2 SWD 5V(AD)
3 AF SW P
4 AF PB
5 AF REC
6 REC H
TO VP-1 CN291 (AP-A)
CN231
1 GND
2 R/P HEAD(P)
3 R/P HEAD(R)
4 ERASE
5 GND
6 ERASE
7 GND
R/P
A.E.
F.E.
TO HC-5 CN591
TO FE HEAD
TO R/P HEAD
IC231 AN3965FBP HIFI AUDIO PROCESS
IC232 BA7755A
SWITCH
AV2(R)
AV1(R)
TU(R)
TU(L)
AV1(L)
AV2(L)
TU(NORMAL)
VHR-795E & VHR-795EX
R-FO ADJ.
L-FO ADJ.
BIAS LEVEL ADJ.
MUTE
INV.
REG.
AMP
OSC
T2301 OSC COIL A.E./BIAS OSC.
T2302 F.E. OSC.
VOLTAGE : REC(PLAY) MODE

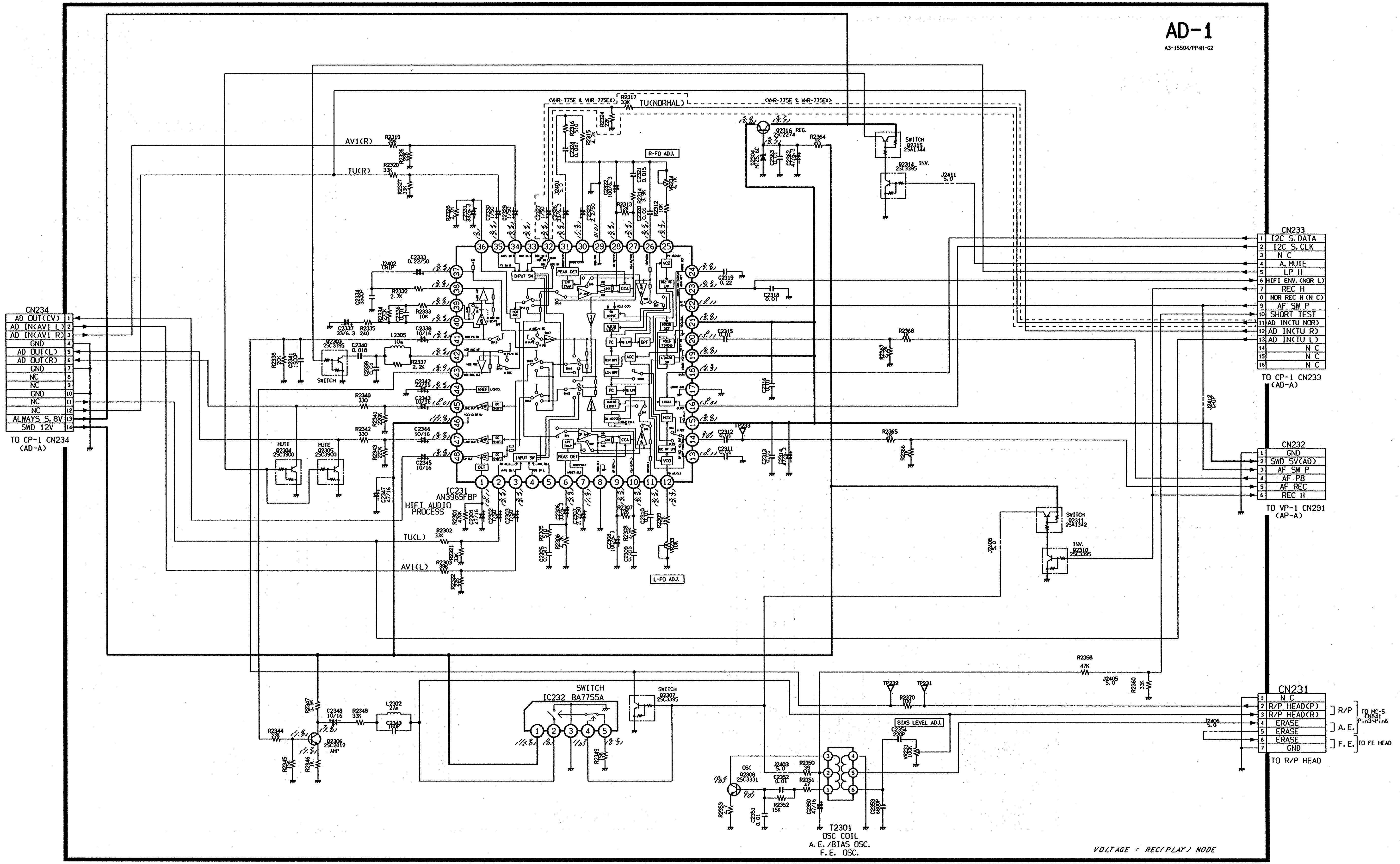
AD-1 P.W.B.



AD-1 CMK-P2X
1AC4B10B36100C
CN232
CN233
CN234
CN231
IC231
IC232
VR233
VR234
VR231
TP233
TP231
TP232
T2301
T2302
Y2301
Y2302
Y2303
Y2304
GND

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

AD-1 BOARD AUDIO MAIN(VHR-775 series)


AD-1
A3-15504/PP4H-G2
CN234
1 AD OUT(CV)
2 AD IN(AV1 L)
3 AD IN(AV1 R)
4 GND
5 AD OUT(L)
6 AD OUT(R)
7 GND
8 NC
9 NC
10 GND
11 NC
12 NC
13 ALWAYS 5.8V
14 SWD 12V
TO CP-1 CN234 (AD-A)
CN233
1 I2C S.DATA
2 I2C S.CLK
3 N C
4 A.MUTE
5 LP H
6 HIFI ENV.(NOR L)
7 REC H
8 NOR REC H(N C)
9 AF SW P
10 SHORT TEST
11 AD IN(TU NOR)
12 AD IN(TU R)
13 AD IN(TU L)
14 N C
15 N C
16 N C
TO CP-1 CN233 (AD-A)
CN232
1 GND
2 SWD 5V(AD)
3 AF SW P
4 AF PB
5 AF REC
6 REC H
TO VP-1 CN291 (AP-A)
CN231
1 N C
2 R/P HEAD(P)
3 R/P HEAD(R)
4 ERASE
5 ERASE
6 ERASE
7 GND
R/P
A.E.
F.E.
TO MC-5 CN841 Pin3~Pin6
TO FE HEAD
TO R/P HEAD
IC231 AN3965FBP
HIFI AUDIO PROCESS
IC232 BA7755A
SWITCH
AV1(R)
TU(R)
TU(L)
AV1(L)
<VHR-775E & VHR-775EX>
TU(NORMAL)
R-FO ADJ.
L-FO ADJ.
BIAS LEVEL ADJ.
Q2316 REG. 2SC2274
Q2315 SWITCH 2SA1344
Q2314 INV. 2SC3395
Q2303 2SC3395 SWITCH
Q2304 MUTE 2SC3900
Q2305 MUTE 2SC3900
Q2306 2SC2812 AMP
Q2307 SWITCH 2SC3395
Q2311 SWITCH 2SA1342
Q2310 INV. 2SC3395
Q2308 OSC 2SC3331
T2301 OSC COIL A.E./BIAS OSC. F.E. OSC.
INPUT SW
PEAK DET
VREF
VCO
CCA
LOGIC
MIX
DET
TP2233
TP232
TP231
J2402 CHIP
J2411 5.0
J2412 CHIP
J2408
J2405 5.0
J2406 5.0
J2403 5.0
R2317 33K
R2358 47K
R2360 33K
R2365
R2366
R2367
R2368
R2370
L2305 10m
L2302 27m
VOLTAGE : REC(PLAY) MODE
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
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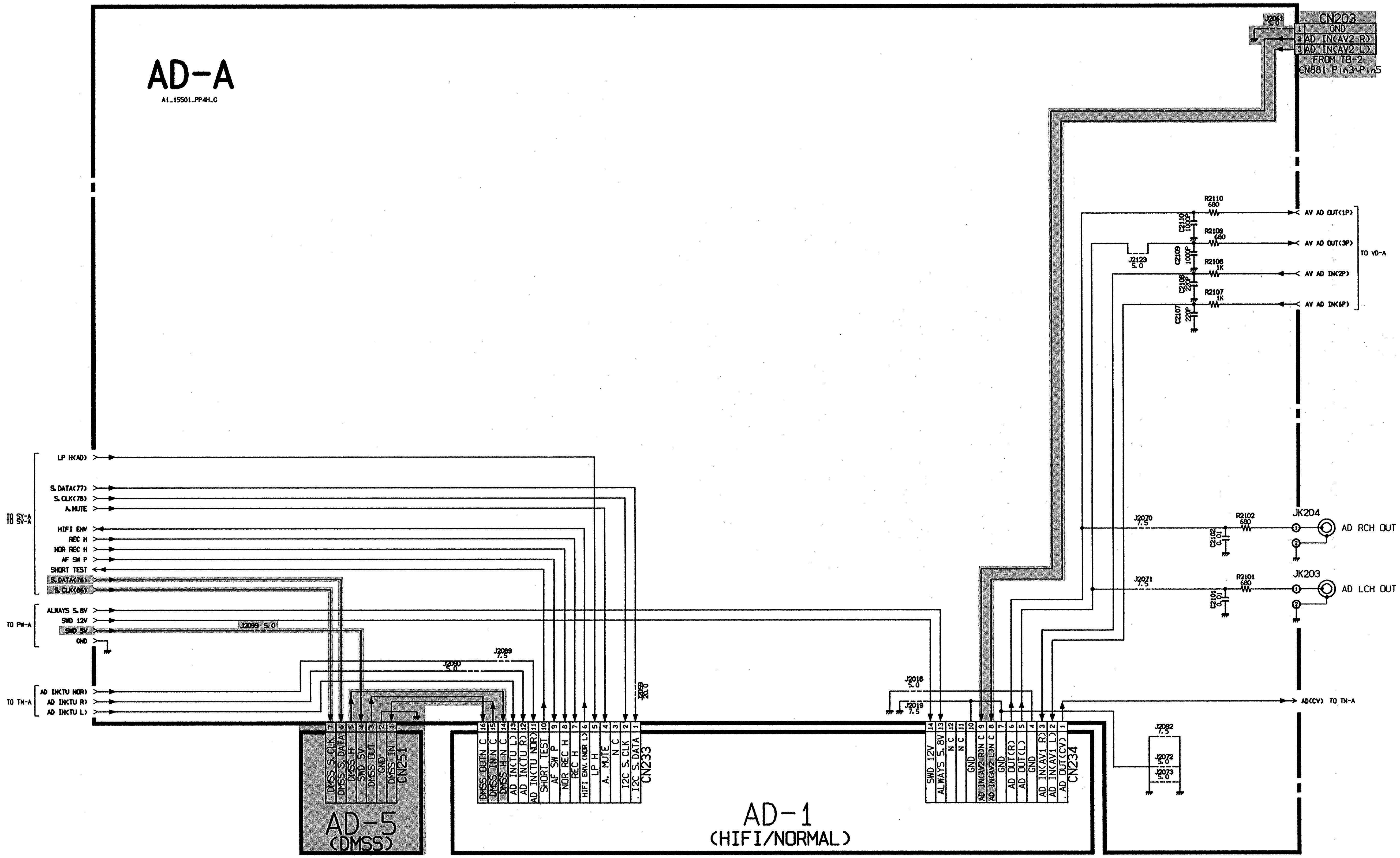
15

CP-1 BOARD (AD-A) AUDIO(EXCEPT VHR-795E)

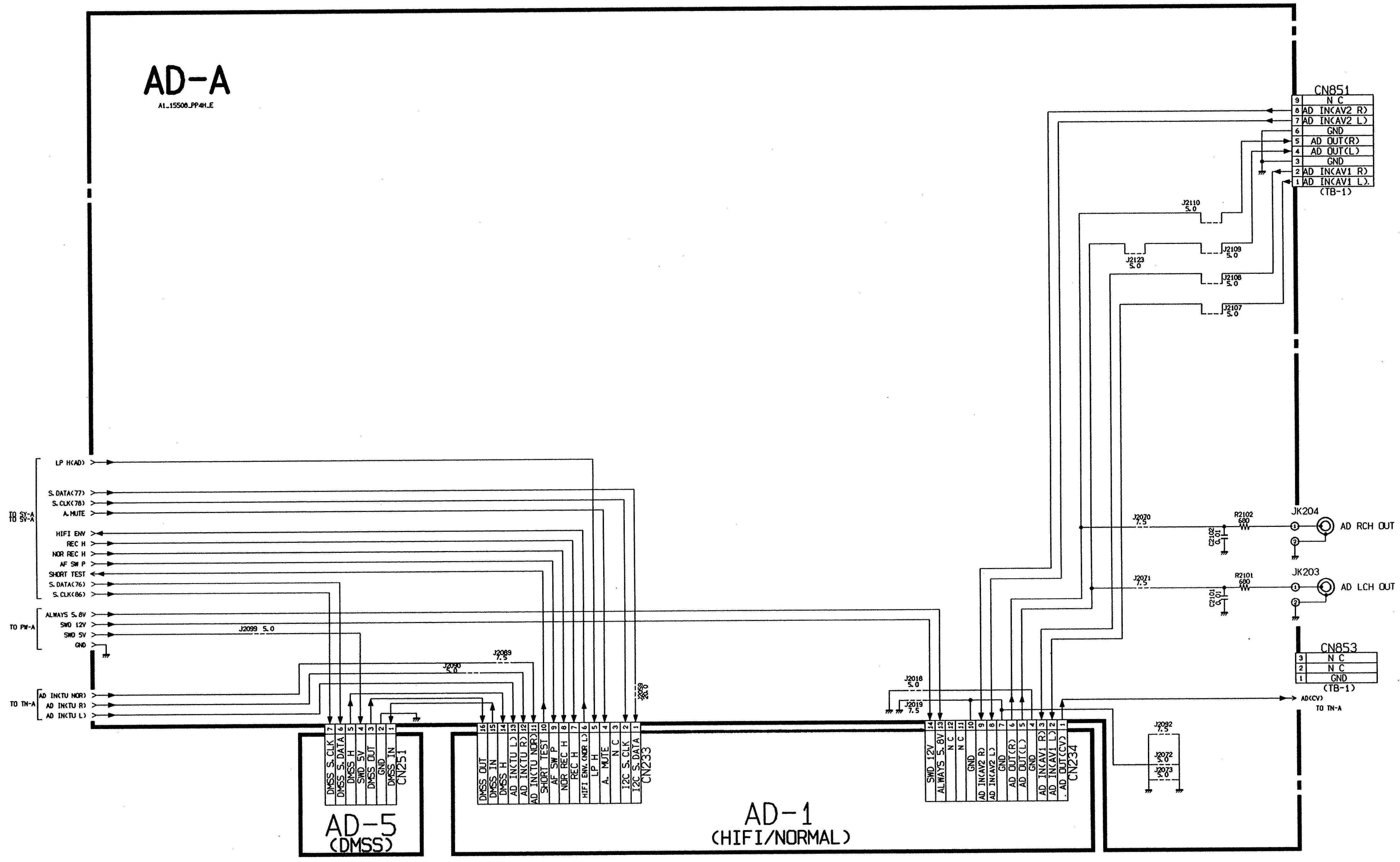

AD-A
A1_15501_PP4H_G
CN203
GND
AD IN(AV2 R)
AD IN(AV2 L)
FROM TB-2
CN881 Pin3~Pin5
J2061 5.0
R2110 680
C2110 100P
AV AD OUT(1P)
R2109 680
C2109 100P
AV AD OUT(3P)
J2123 5.0
R2108 1K
C2108 22P
AV AD IN(2P)
TO VD-A
R2107 1K
C2107 22P
AV AD IN(6P)
LP H(AD)
S.DATA(77)
S.CLK(78)
A.MUTE
TO SV-A
HIFI ENV
REC H
NOR REC H
AF SW P
SHORT TEST
S.DATA(76)
S.CLK(86)
ALWAYS 5.8V
SWD 12V
TO PW-A
SWD 5V
GND
J2099 5.0
J2090 5.0
J2089 7.5
AD IN(TU NOR)
TO TN-A
AD IN(TU R)
AD IN(TU L)
J2059 10.0
J2070 7.5
C2102 0.01
R2102 680
JK204
AD RCH OUT
J2071 7.5
C2101 0.01
R2101 680
JK203
AD LCH OUT
J2018 5.0
J2019 7.5
AD(CV) TO TN-A
J2082 7.5
J2072 5.0
J2073 5.0
CN251
DMSS S.CLK
DMSS S.DATA
DMSS H
SWD 5V
DMSS OUT
GND
DMSS IN
AD-5
(DMSS)
CN233
DMSS OUT N C
DMSS IN N C
DMSS H N C
AD IN(TU L)
AD IN(TU R)
AD IN(TU NOR)
SHORT TEST
AF SW P
NOR REC H
REC H
HIFI ENV.(NOR L)
LP H
A. MUTE
N C
I2C S.CLK
I2C S.DATA
AD-1
(HIFI/NORMAL)
CN234
SWD 12V
ALWAYS 5.8V
N C
N C
GND
AD IN(AV2 R)N C
AD IN(AV2 L)N C
GND
AD OUT(R)
AD OUT(L)
GND
AD IN(AV1 R)
AD IN(AV1 L)
AD OUT(CV)

NOTES :

——— : Common parts for VHR-795G,VHR-795EX,VHR-775G,VHR-775EX & VHR-775E

The parts marked ▨ are VHR-795G & VHR-795EX.

CP-1 BOARD (AD-A) AUDIO(VHR-795E)


AD-A
A1_15506_PP4H_E
CN851
9 N C
8 AD IN(AV2 R)
7 AD IN(AV2 L)
6 GND
5 AD OUT(R)
4 AD OUT(L)
3 GND
2 AD IN(AV1 R)
1 AD IN(AV1 L).
(TB-1)
J2110 5.0
J2109 5.0
J2123 5.0
J2108 5.0
J2107 5.0
TO SY-A
TO SV-A
LP H(AD)
S. DATA(77)
S. CLK(78)
A. MUTE
HIFI ENV
REC H
NOR REC H
AF SW P
SHORT TEST
S. DATA(76)
S. CLK(86)
TO PW-A
ALWAYS S. 8V
SWD 12V
SWD 5V
GND
J2099 5.0
J2089 7.5
J2090 5.0
J2059 20.0
TO TN-A
AD IN(TU NOR)
AD IN(TU R)
AD IN(TU L)
CN251
7 DMSS S. CLK
6 DMSS S. DATA
5 DMSS H
4 SWD 5V
3 DMSS OUT
2 GND
1 DMSS IN
AD-5
(DMSS)
CN233
16 DMSS OUT
15 DMSS IN
14 DMSS H
13 AD IN(TU L)
12 AD IN(TU R)
11 AD IN(TU NOR)
10 SHORT TEST
9 AF SW P
8 NOR REC H
7 REC H
6 HIFI ENV. (NOR L)
5 LP H
4 A. MUTE
3 N C
2 I2C S. CLK
1 I2C S. DATA
AD-1
(HIFI/NORMAL)
J2018 5.0
J2019 7.5
CN234
14 SWD 12V
13 ALWAYS 5. 8V
12 N C
11 N C
10 GND
9 AD IN(AV2 R)
8 AD IN(AV2 L)
7 GND
6 AD OUT(R)
5 AD OUT(L)
4 GND
3 AD IN(AV1 R)
2 AD IN(AV1 L)
1 AD OUT(CV)
J2070 7.5
J2071 7.5
C2102 0.01
C2101 0.01
R2102 680
R2101 680
JK204
AD RCH OUT
JK203
AD LCH OUT
CN853
3 N C
2 N C
1 GND
(TB-1)
AD(CV)
TO TN-A
J2092 7.5
J2072 5.0
J2073 5.0
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
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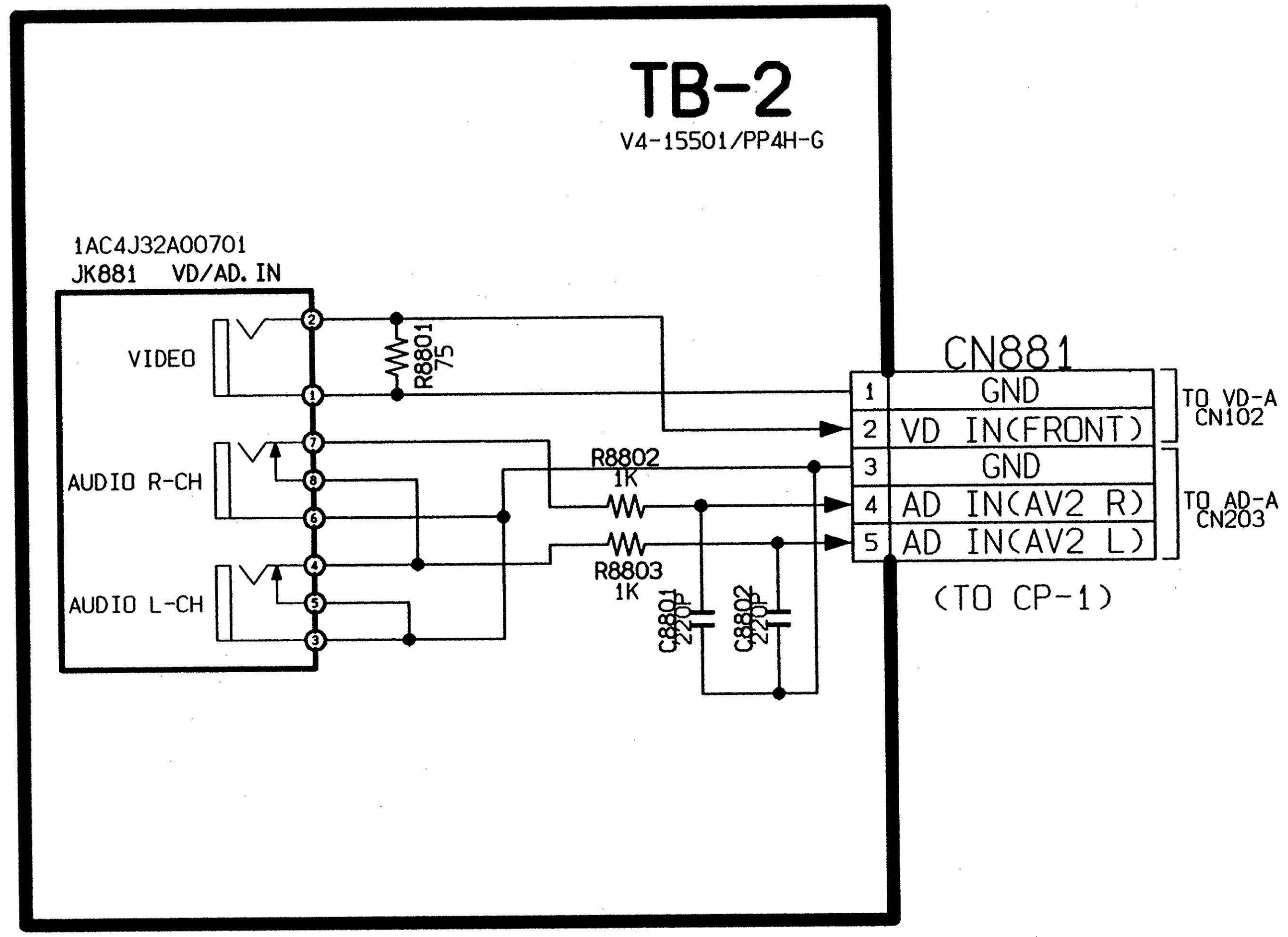
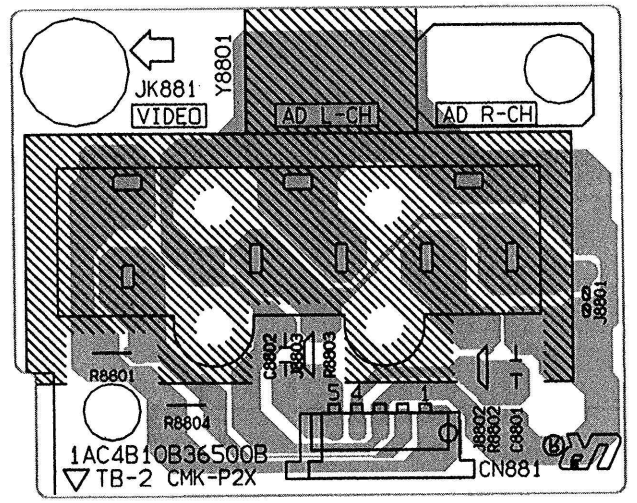
23

TB-2 BOARD FRONT AV(VHR-795G & VHR-795EX)


TB-2
V4-15501/PP4H-G
1AC4J32A00701
JK881 VD/AD. IN
VIDEO
AUDIO R-CH
AUDIO L-CH
R8801 75
R8802 1K
R8803 1K
C8801 220P
C8802 220P
CN881
1 GND
2 VD IN(FRONT)
3 GND
4 AD IN(AV2 R)
5 AD IN(AV2 L)
TO VD-A CN102
TO AD-A CN203
(TO CP-1)

TB-2 P.W.B.(VHR-795G & VHR-795EX)


JK881
VIDEO
Y8801
AD L-CH
AD R-CH
J8801
R8801
C8802
J8803
R8803
R8804
5
4
1
J8802
R8802
C8801
1AC4B10B36500B
▽TB-2 CMK-P2X
CN881

K

J

I

H

G

F

E

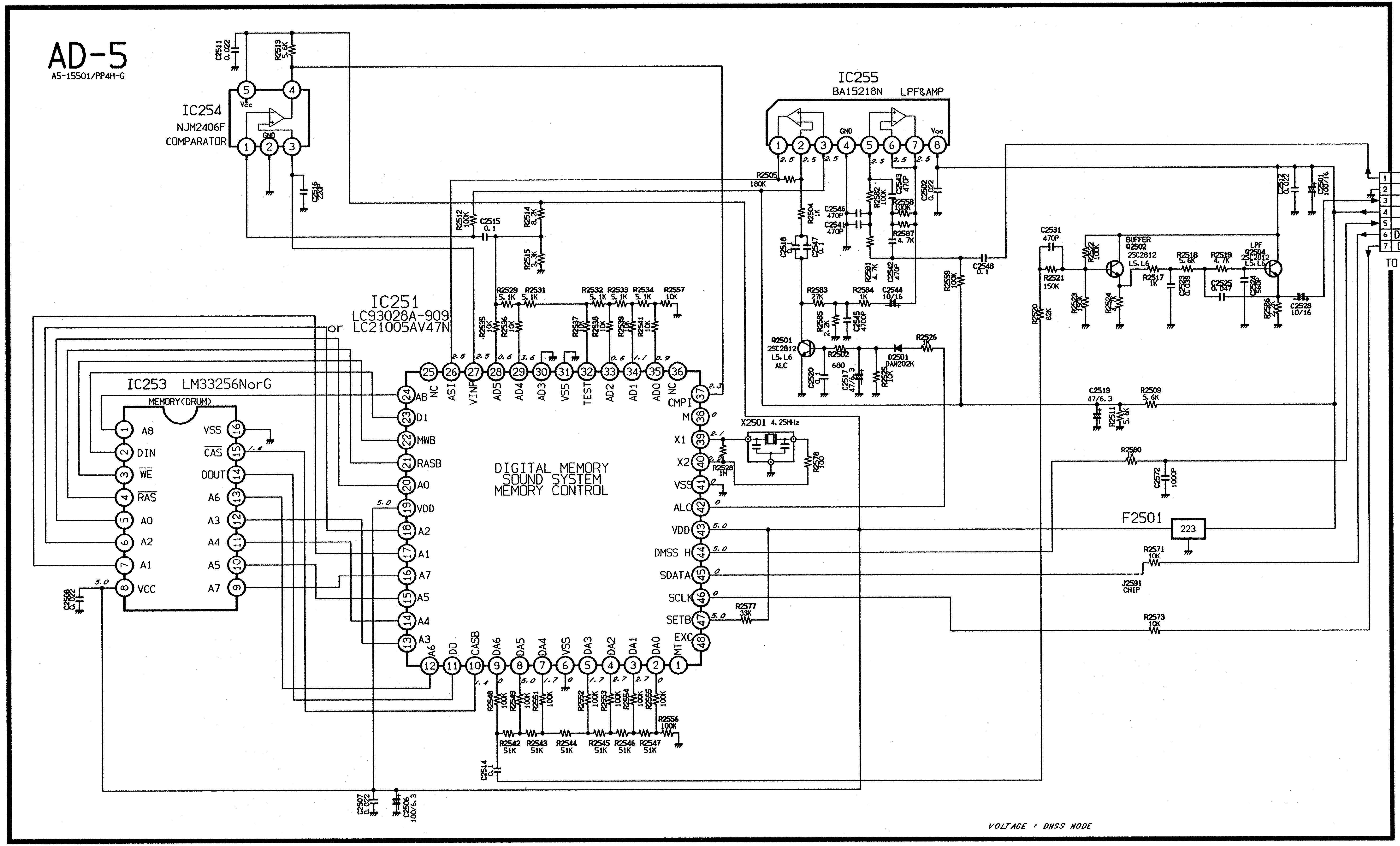
D

C

B

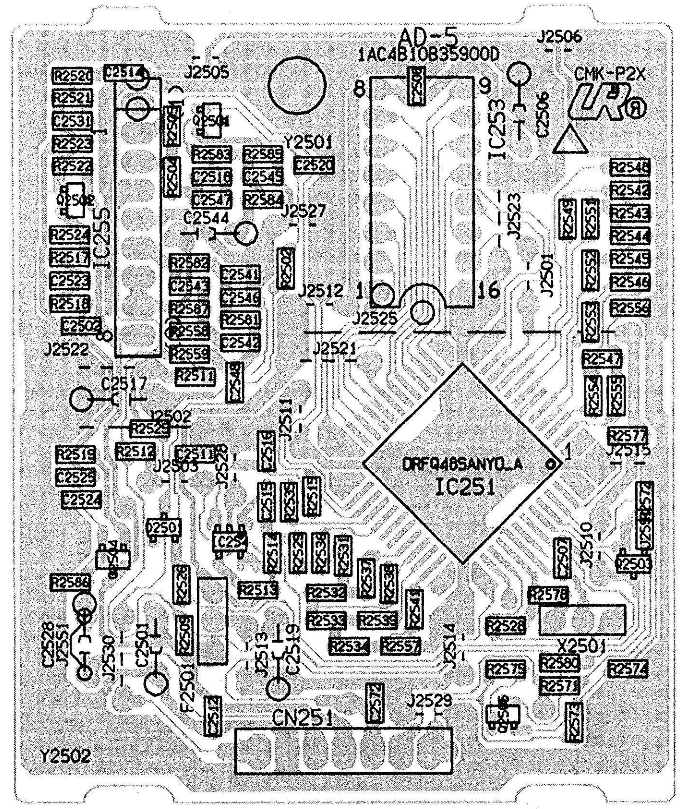
A

AD-5 BOARD DMSS(VHR-795 series)



AD-5
AS-15501/PP4H-G
IC254
NJM2406F
COMPARATOR
IC255
BA15218N
LPF&AMP
IC251
LC93028A-909
or LC21005AV47N
DIGITAL MEMORY
SOUND SYSTEM
MEMORY CONTROL
IC253 LM33256NorG
MEMORY(DRUM)
A8
DIN
WE
RAS
A0
A2
A1
VCC
VSS
CAS
DOUT
A6
A3
A4
A5
A7
NC
ASI
VINP
AD5
AD4
AD3
VSS
TEST
AD2
AD1
AD0
NC
CMPI
M
X1
X2
VSS
ALC
VDD
DMSS H
SDATA
SCLK
SETB
EXC
MT
AB
D1
MWB
RASB
A0
VDD
A2
A1
A7
A5
A4
A3
A6
D0
CASB
DA6
DA5
DA4
VSS
DA3
DA2
DA1
DA0
X2501 4.25MHz
Q2501
2SC2812
LS,L6
ALC
BUFFER
Q2502
2SC2812
LS,L6
LPF
Q2504
2SC2812
LS,L6
D2501
DAN202K
F2501
223
J2581
CHIP
CN251
1 DMSS IN
2 GND
3 DMSS OUT
4 SWD 5V
5 DMSS H
6 DMSS S.DATA
7 DMSS S.CLK
TO CP-1 CN251
(AD-A)
VOLTAGE : DMSS MODE

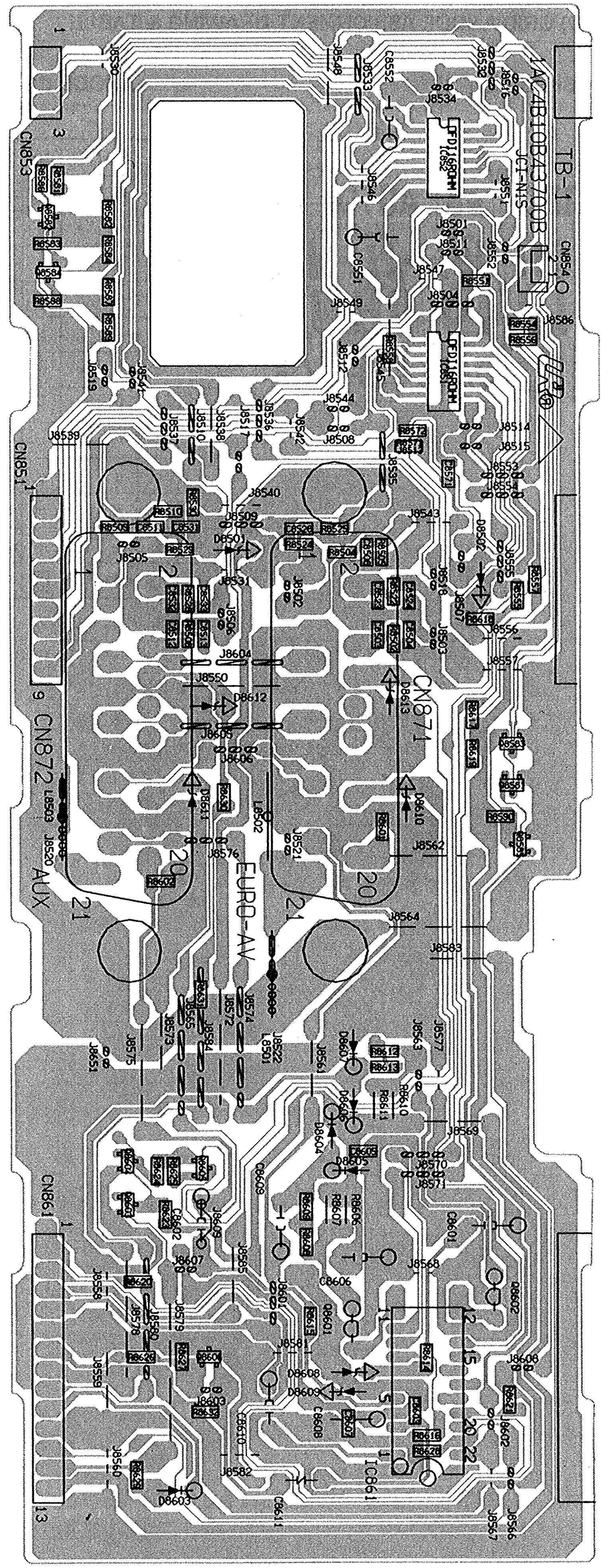
AD-5 P.W.B.(VHR-795 series)



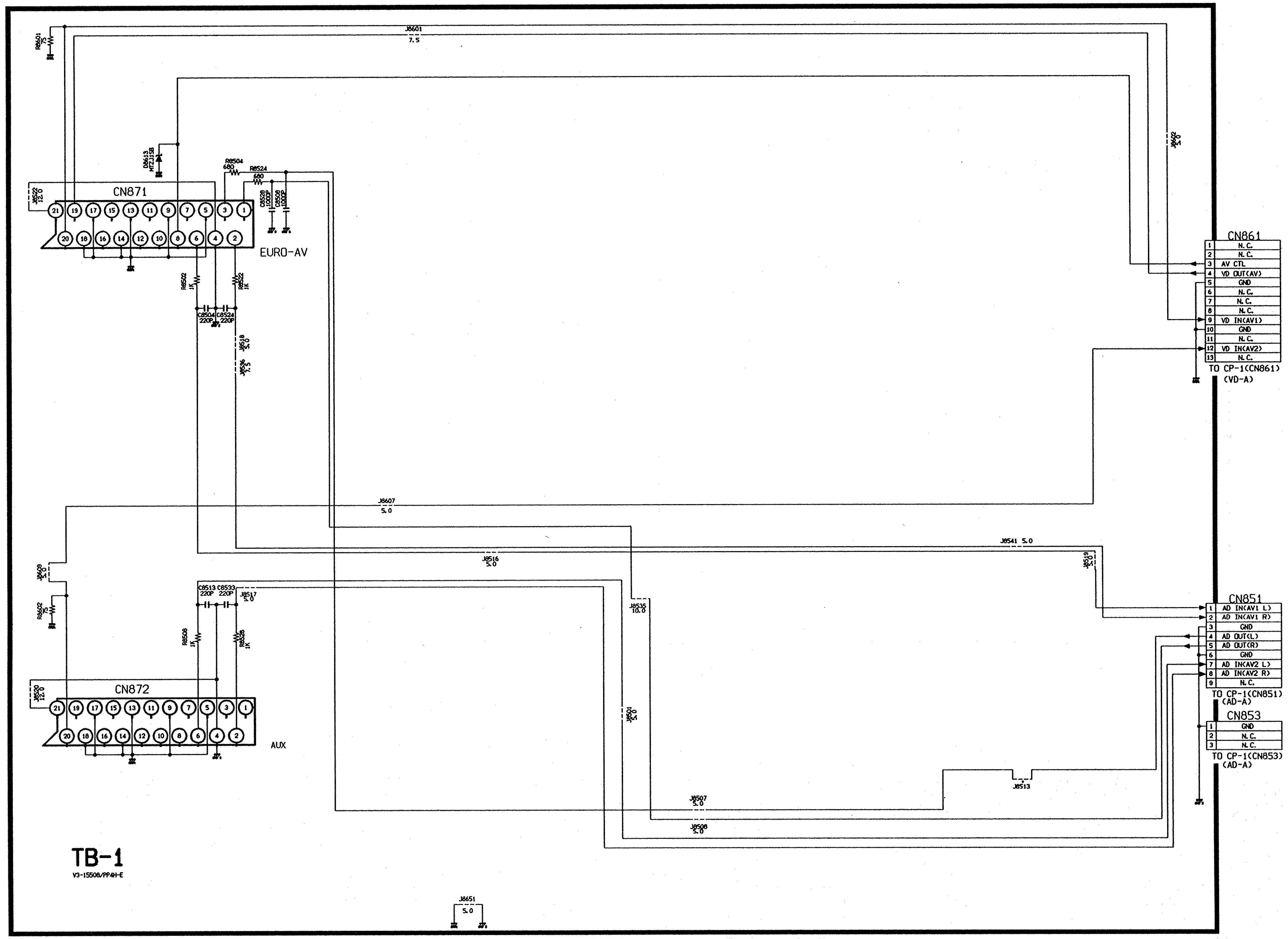
AD-5
1AC4B10B35900D
CMK-P2X
IC255
IC253
IC251
DRF04BSANYO_A
CN251
X2501
Y2501
Y2502
F2501

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

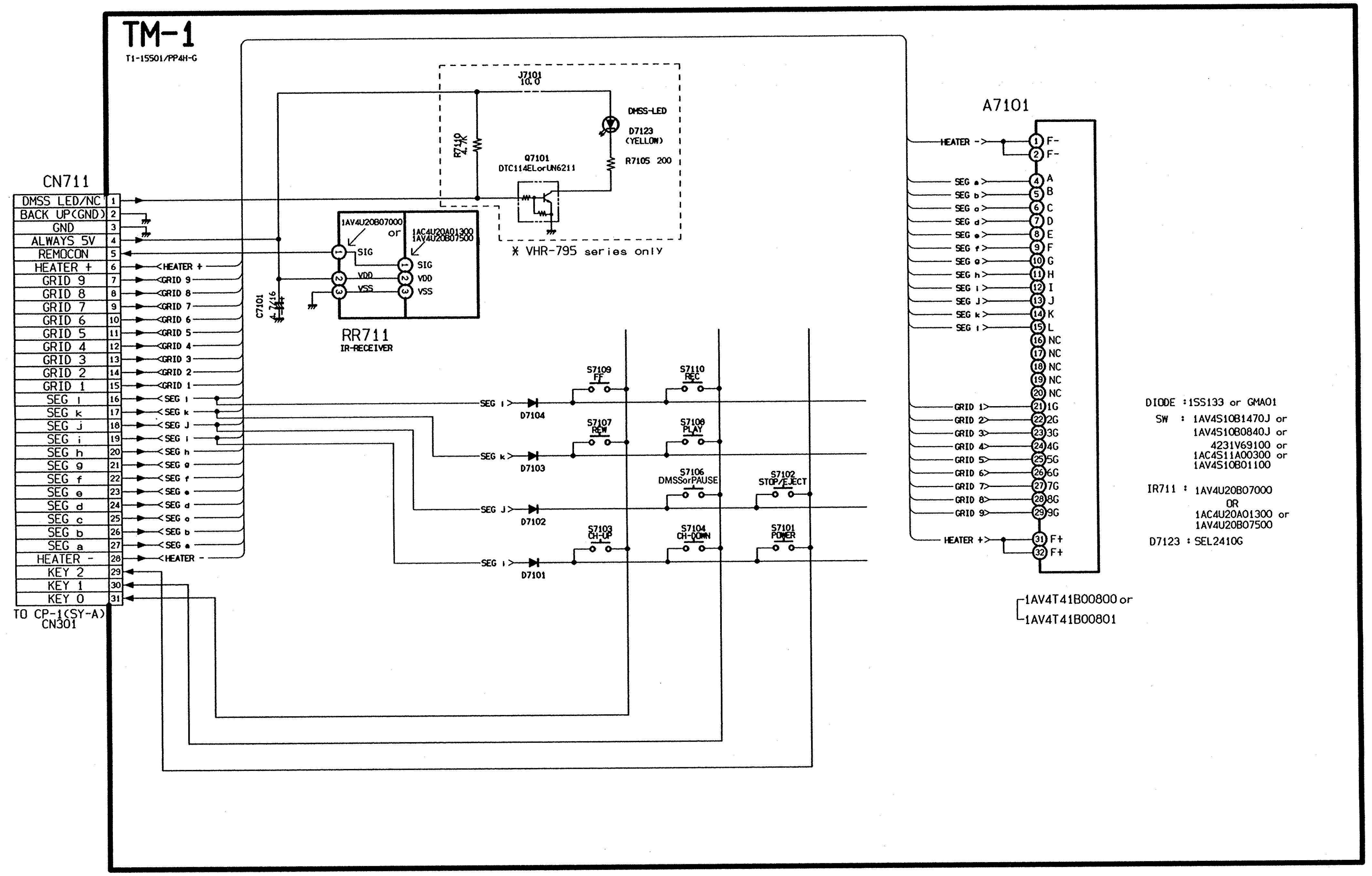
TB-1 P.W.B.(VHR-795E)


TB-1
CN853
CN851
CN872
CN871
CN861
EURO-AV
AUX
IC661

TB-1 BOARD TERMINAL(VHR-795E)


CN871
EURO-AV
CN872
AUX
J8601 7.5
J8607 5.0
J8541 5.0
J8516 5.0
J8513
J8651 5.0
CN861
1 N.C.
2 N.C.
3 AV CTL
4 VD OUT(AV)
5 GND
6 N.C.
7 N.C.
8 N.C.
9 VD IN(AV1)
10 GND
11 N.C.
12 VD IN(AV2)
13 N.C.
TO CP-1(CN861)
(VD-A)
CN851
1 AD IN(AV1 L)
2 AD IN(AV1 R)
3 GND
4 AD OUT(L)
5 AD OUT(R)
6 GND
7 AD IN(AV2 L)
8 AD IN(AV2 R)
9 N.C.
TO CP-1(CN851)
(AD-A)
CN853
1 GND
2 N.C.
3 N.C.
TO CP-1(CN853)
(AD-A)
TB-1

TM-1 BOARD DISPLAY(FLD) & SWITCH

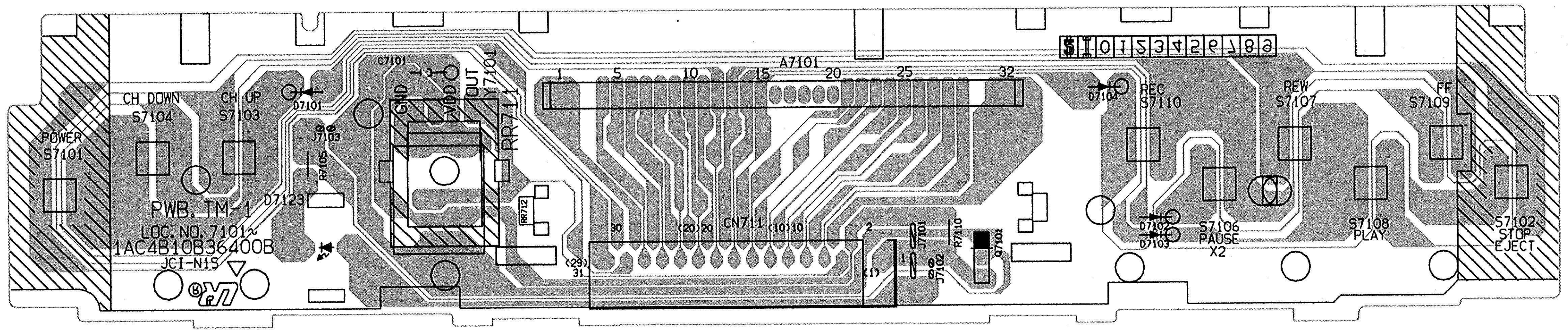

TM-1
T1-15501/PP4H-G
CN711
DMSS LED/NC 1
BACK UP(GND) 2
GND 3
ALWAYS 5V 4
REMOCON 5
HEATER + 6
GRID 9 7
GRID 8 8
GRID 7 9
GRID 6 10
GRID 5 11
GRID 4 12
GRID 3 13
GRID 2 14
GRID 1 15
SEG l 16
SEG k 17
SEG j 18
SEG i 19
SEG h 20
SEG g 21
SEG f 22
SEG e 23
SEG d 24
SEG c 25
SEG b 26
SEG a 27
HEATER - 28
KEY 2 29
KEY 1 30
KEY 0 31
TO CP-1(SY-A) CN301
J7101 10.0
R7110 4.7K
DMSS-LED
D7123 (YELLOW)
Q7101 DTC114ELorUN6211
R7105 200
※ VHR-795 series only
C7101 4.7/16
1AV4U20B07000 or
1AC4U20A01300 1AV4U20B07500
SIG VDD VSS
RR711 IR-RECEIVER
S7109 FF
S7110 REC
S7107 REW
S7108 PLAY
S7106 DMSSorPAUSE
S7102 STOP/EJECT
S7103 CH-UP
S7104 CH-DOWN
S7101 POWER
D7104 D7103 D7102 D7101
A7101
HEATER F- F-
SEG a A, SEG b B, SEG c C, SEG d D, SEG e E, SEG f F, SEG g G, SEG h H, SEG i I, SEG j J, SEG k K, SEG l L
16 NC 17 NC 18 NC 19 NC 20 NC
GRID 1 1G, GRID 2 2G, GRID 3 3G, GRID 4 4G, GRID 5 5G, GRID 6 6G, GRID 7 7G, GRID 8 8G, GRID 9 9G
HEATER + 31 F+ 32 F+
1AV4T41B00800 or
1AV4T41B00801

DIODE : 1SS133 or GMA01
SW : 1AV4S10B1470J or
1AV4S10B0840J or
4231V69100 or
1AC4S11A00300 or
1AV4S10B01100

IR711 : 1AV4U20B07000
OR
1AC4U20A01300 or
1AV4U20B07500

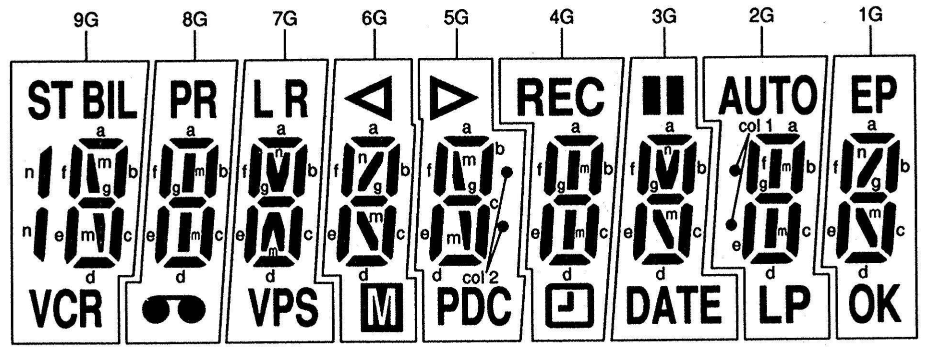
D7123 : SEL2410G

TM-1 P.W.B.


CH DOWN S7104
CH UP S7103
POWER S7101
D7101
J7103
R7105
D7123
C7101
GND VDD OUT
RR711
J7101
A7101
1 5 10 15 20 25 32
CN711
30 20 10 (29) 31 (1) 2
R7112
J7101 J7102 R7110 Q7101
PWB. TM-1
LOC.NO.7101
1AC4B10B36400B
JCI-N1S
D7104
REC S7110
REW S7107
FF S7109
D7102 D7103
S7106 PAUSE X2
S7108 PLAY
S7102 STOP EJECT

A7101 DISPLAY (FLD) GRID/ANODE ASSIGNMENT DRAWING & TABLE

GRID & SEGMENT ASSIGNMENT

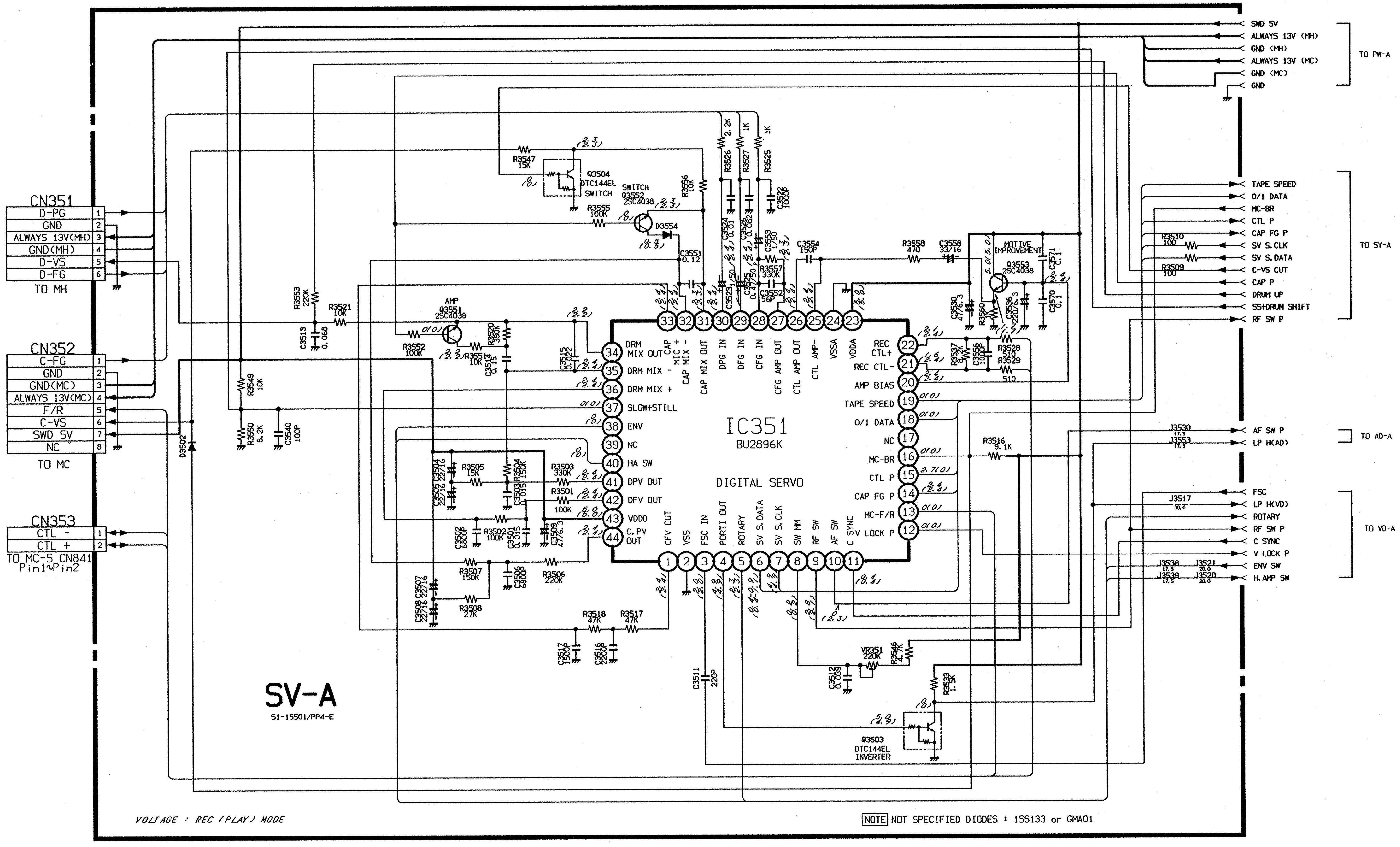

9G 8G 7G 6G 5G 4G 3G 2G 1G
ST BIL
PR
L R
◁
▷
REC
▮▮
AUTO
EP
a b c d e f g m n
col 1
col 2
VCR
VPS
M
PDC
DATE
LP
OK

ANODE CONNECTION

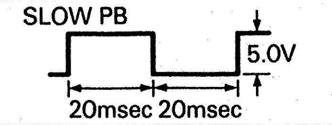
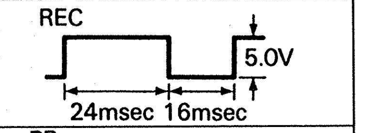
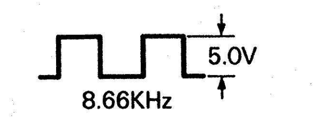
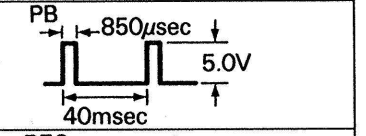
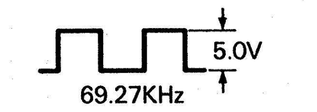
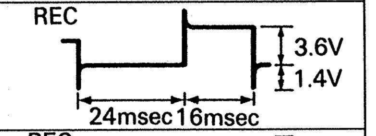
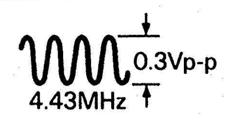
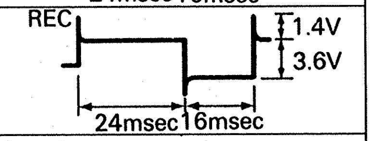
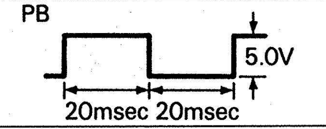
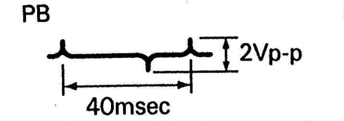
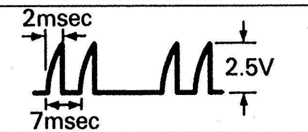
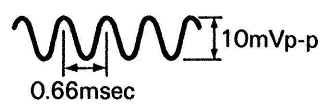
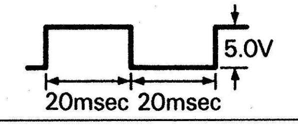
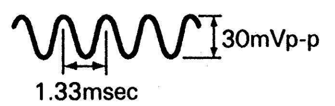
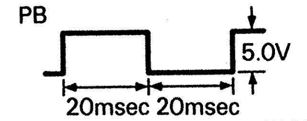
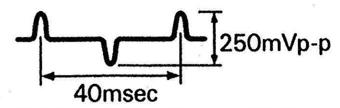
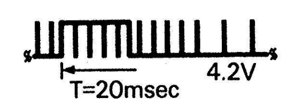
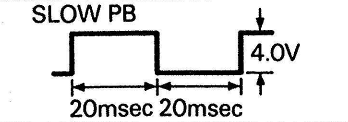
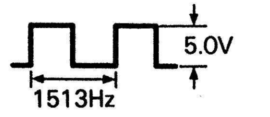
GRID / SEGMENT	9G	8G	7G	6G	5G	4G	3G	2G	1G
a	ST	PR	L	◁	▷	REC	▮▮	AUTO	EP
b	n	—	n	n	—	—	n	—	n
c	a	a	a	a	a	a	a	a	a
d	b	b	b	b	b	b	b	b	b
e	c	c	c	c	c	c	c	c	c
f	d	d	d	d	d	d	d	d	d
g	e	e	e	e	e	e	e	e	e
h	f	f	f	f	f	f	f	f	f
i	g	g	g	g	g	g	g	g	g
j	m	m	m	m	m	m	m	m	m
k	BIL	—	VPS	—	col 2	—	—	col 1	—
l	VCR	●●	R	M	PDC	◻	DATE	LP	OK

GR-00800

CP-1 BOARD (SV-A) SERVO

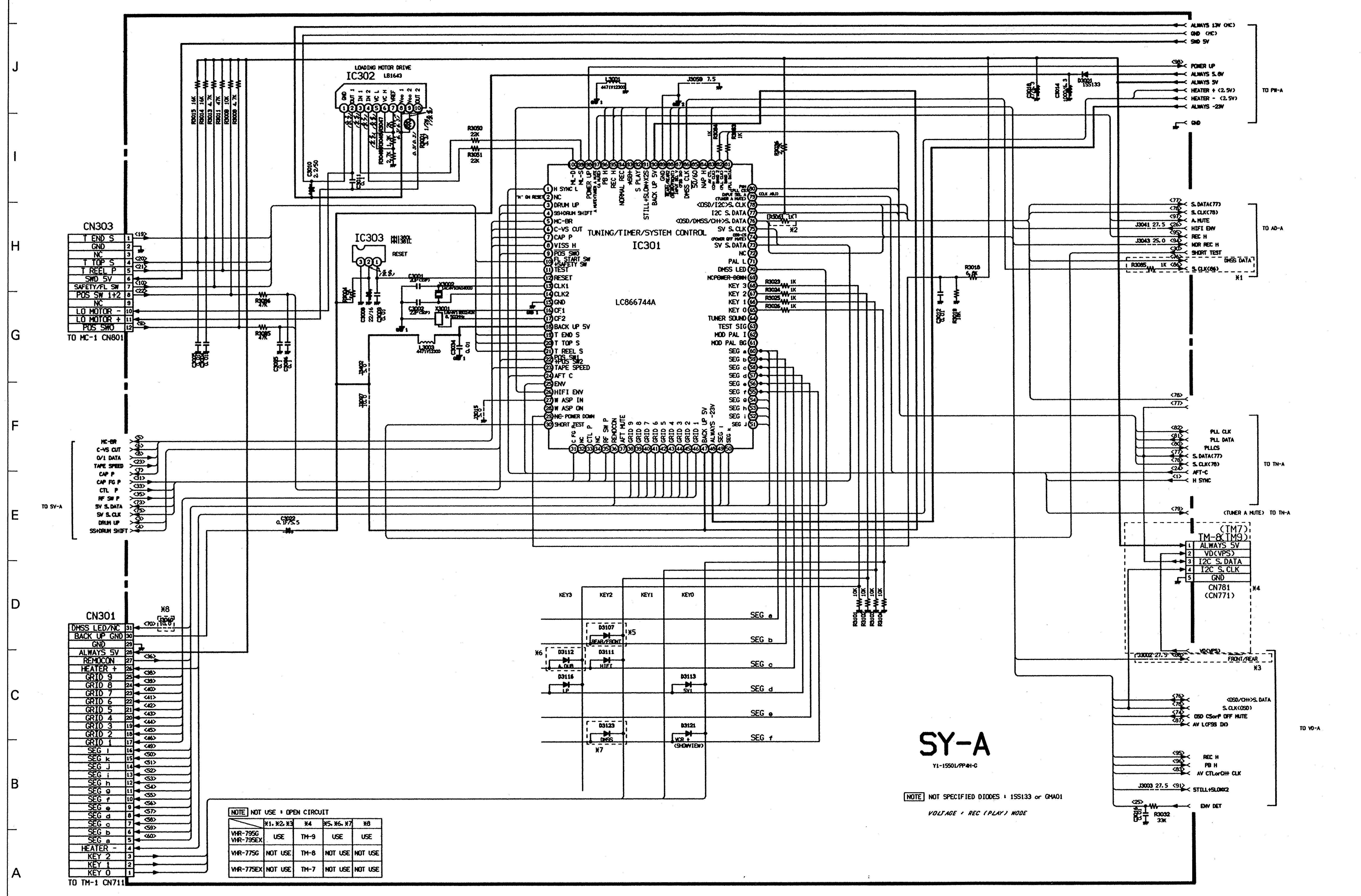

CN351
D-PG
GND
ALWAYS 13V(MH)
GND(MH)
D-VS
D-FG
TO MH
CN352
C-FG
GND
GND(MC)
ALWAYS 13V(MC)
F/R
C-VS
SWD 5V
NC
TO MC
CN353
CTL -
CTL +
TO MC-5 CN841 Pin1~Pin2
SWD 5V
ALWAYS 13V (MH)
GND (MH)
ALWAYS 13V (MC)
GND (MC)
GND
TO PW-A
TAPE SPEED
0/1 DATA
MC-BR
CTL P
CAP FG P
SV S.CLK
SV S.DATA
C-VS CUT
CAP P
DRUM UP
SS+DRUM SHIFT
RF SW P
TO SY-A
AF SW P
LP H(AD)
TO AD-A
FSC
LP H(VD)
ROTARY
RF SW P
C SYNC
V LOCK P
ENV SW
H.AMP SW
TO VD-A
IC351
BU2896K
DIGITAL SERVO
DRM MIX OUT
DRM MIX -
DRM MIX +
SLOW+STILL
ENV
NC
HA SW
DPV OUT
DFV OUT
VDDD
C.PV OUT
CFV OUT
VSS
FSC IN
PORTI OUT
ROTARY
SV S.DATA
SV S.CLK
SW MM
RF SW
AF SW
C SYNC
V LOCK
REC CTL+
REC CTL-
AMP BIAS
TAPE SPEED
0/1 DATA
NC
MC-BR
CTL P
CAP FG P
MC-F/R
CAP MIX OUT
CAP MIX +
CAP MIX -
DPG IN
DFG IN
CFG IN
CFG AMP OUT
CTL AMP OUT
CTL AMP-
VSSA
VDDA
Q3504 DTC144EL SWITCH
R3547 15K
Q3552 2SC4038 SWITCH
R3555 100K
D3554
AMP Q3551 2SC4038
R3552 100K
R3553 220K
R3521 10K
C3513 0.068
R3549 10K
R3550 8.2K
C3540 100P
D3502
R3526 2.2K
R3527 1K
R3525 1K
R3556 10K
C3551 0.12
C3554 150P
R3558 470
C3558 33/16
MOTIVE IMPROVEMENT
Q3553 2SC4038
C3571 0.1
C3570 0.1
R3510 100
R3509 100
R3557 330K
C3552 56P
R3516 5.1K
J3530
J3553
J3517
J3538
J3539
J3521
J3520
R3505 15K
R3503 330K
R3501 100K
R3502 100K
R3507 150K
R3506 220K
R3508 27K
R3518 47K
R3517 47K
C3517
C3516
C3511 220P
VR351 220K
R3546 4.7K
C3512 0.039
R3533 1.5K
Q3503 DTC144EL INVERTER
R3528 510
R3529
SV-A
S1-15501/PP4-E
VOLTAGE : REC (PLAY) MODE
NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01

SERVO CIRCUIT WAVEFORMS (IC351:BU2896 Series)

TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H.A.SWITCHING)	 SLOW PB 5.0V 20msec 20msec	Pin 15 (CTL PULSE)	 REC 5.0V 24msec 16msec
Pin 42 (PWM)		Pin 15 (CTL PULSE)	 PB 850μsec 5.0V 40msec
Pin 41, 44, 1 (PWM)	 5.0V 69.27KHz	Pin 21 (CTL HEAD-)	 REC 3.6V 1.4V 24msec 16msec
Pin 3 (FSC INPUT)	 0.3Vp-p 4.43MHz	Pin 22 (CTL HEAD+)	 REC 1.4V 3.6V 24msec 16msec
Pin 5 (ROTARY)	 PB 5.0V 20msec 20msec	Pin 26 (CTL AMP OUT)	 PB 2Vp-p 40msec
Pin 8 (D-PG MM)	 2msec 2.5V 7msec	Pin 28 (C-FG INPUT)	 10mVp-p 0.66msec
Pin 9 (RF SW PULSE)	 5.0V 20msec 20msec	Pin 29 (D-FG INPUT)	 30mVp-p 1.33msec
Pin 10 (AF SW PULSE)	 PB 5.0V 20msec 20msec	Pin 30 (D-PG INPUT)	 250mVp-p 40msec
Pin 11 (COMPOSITE SYNC INPUT)	 4.2V T=20msec	Pin 38 (ENV.SW INPUT)	 SLOW PB 4.0V 20msec 20msec
Pin 14 (C-FG PULSE)			

WF-S-TP4

CP-1 BOARD (SY-A) SYSTEM CONTROL(EXCEPT VHR-795E & VHR-775E)


IC302 LB1643
LOADING MOTOR DRIVE
IC303
RESET
IC301
TUNING/TIMER/SYSTEM CONTROL
LC866744A
CN303
T END S
GND
NC
T TOP S
T REEL P
SWD 5V
SAFETY/FL SW
POS SW 1+2
NC
LD MOTOR -
LD MOTOR +
POS SWO
TO MC-1 CN801
CN301
DMSS LED/NC
BACK UP GND
GND
ALWAYS 5V
REMOCON
HEATER +
GRID 9
GRID 8
GRID 7
GRID 6
GRID 5
GRID 4
GRID 3
GRID 2
GRID 1
SEG l
SEG k
SEG j
SEG i
SEG h
SEG g
SEG f
SEG e
SEG d
SEG c
SEG b
SEG a
HEATER -
KEY 2
KEY 1
KEY 0
TO TM-1 CN711
TO SY-A
KEY3
KEY2
KEY1
KEY0
SEG a
SEG b
SEG c
SEG d
SEG e
SEG f
ALWAYS 13V (MC)
GND (MC)
SWD 5V
POWER UP
ALWAYS 5.6V
ALWAYS 5V
HEATER + (2.5V)
HEATER - (2.5V)
ALWAYS -23V
GND
TO PW-A
S.DATA(77)
S.CLK(78)
A.MUTE
HIFI ENV
REC H
NOR REC H
SHORT TEST
S.CLK(86)
TO AD-A
PLL CLK
PLL DATA
PLLCS
S.DATA(77)
S.CLK(78)
AFT-C
H SYNC
TO TN-A
(TUNER A MUTE) TO TN-A
TM-8(TM9)
(TM7)
ALWAYS 5V
VD(VPS)
I2C S.DATA
I2C S.CLK
GND
CN781
(CN771)
FRONT/REAR
TO VD-A
REC H
PB H
ENV DET
SY-A
Y1-15501/PP4H-G

NOTE NOT USE : OPEN CIRCUIT

	※1, ※2, ※3	※4	※5, ※6, ※7	※8
VHR-795G VHR-795EX	USE	TM-9	USE	USE
VHR-775G	NOT USE	TM-8	NOT USE	NOT USE
VHR-775EX	NOT USE	TM-7	NOT USE	NOT USE

NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01

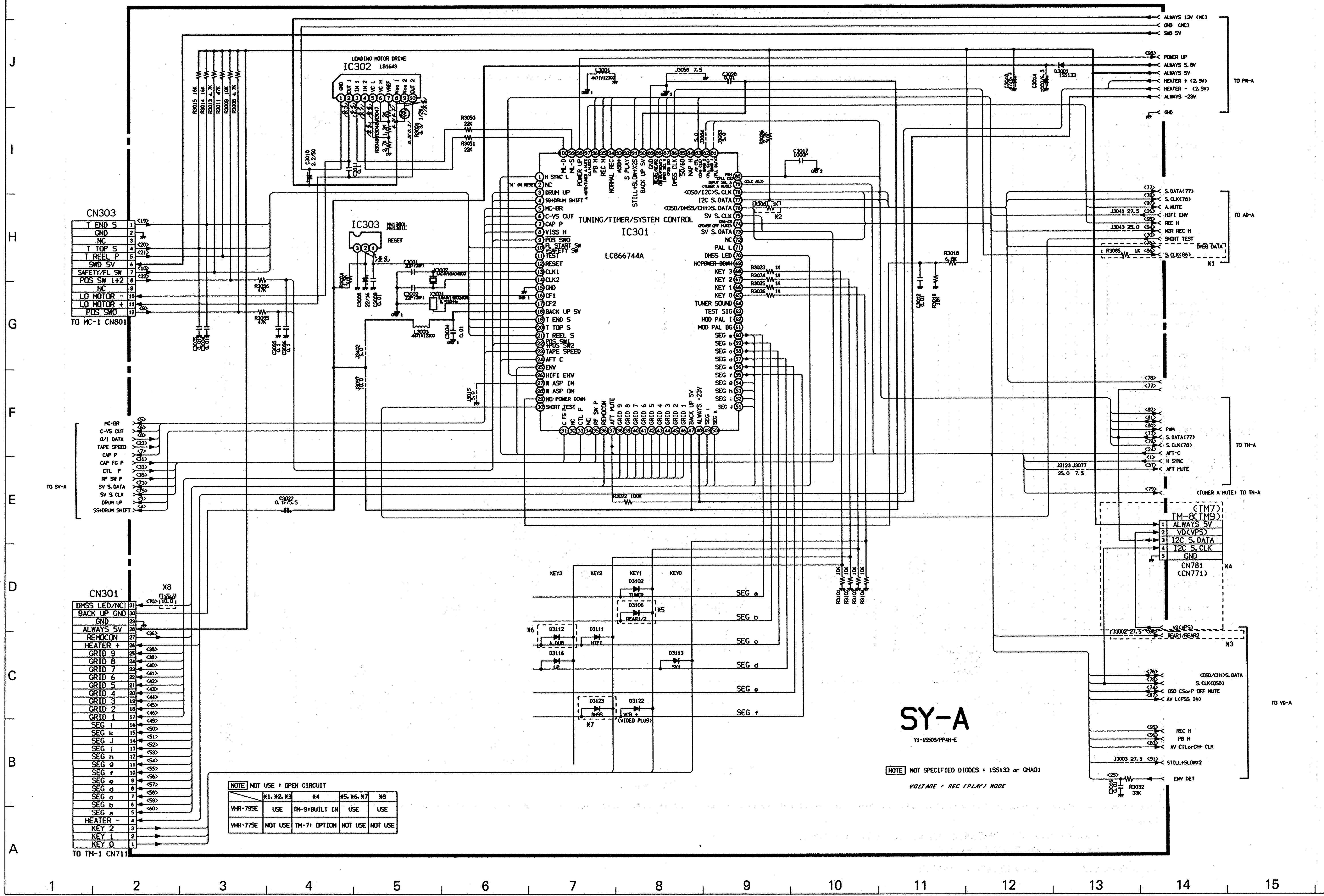
VOLTAGE : REC (PLAY) MODE

IC301 SYSTEM CONTROL,TIMER, & TUNING CONTROL MPU PIN FUNCTIONS TABLE

No.	Name	I/O	I/O Signal Function
1	H SYNC L	I	Sync. signal input for existing channel discrimination and TV system discrimination.
2	-	-	-
3	DRUM UP	O	Head drum motor rotation speed up signal.
4	SS + DRUM SHIFT	O	Signal for indicating SLOW/STILL modes and alternation of drum motor control data. (3 value voltage)
5	MC - BR	O	Brake signal for capstan motor.
6	C - Vs CUT	O	Cut off for capstan motor control voltage in SLOW / STILL modes.
7	CAP P.	O	Gain down control for Head Motor at SLOW mode.
8	VISS H	I	CTL pulse duty detection signal input. Used for VISS detection.
9	POS SW0	I	Data indicating operation position of mechanism. (0V : SEARCH,STILL,SLOW,STOP,PLAY, and REC modes) (5V : EJECT,REW, and INITIAL modes)
10	FL- START + SAFETY SW	I	Switch input indicating start of cassette loading or discharge by cassette mechanism and detecting accidental erasure prevention tab of cassette tape.
11	-	-	-
12	RESET	I	Initial reset terminal for this IC.
13	CLK 1	-	Clock OSC during power failures.
14	CLK 2	-	Frequency is 32kHz.
15	VSS	-	Ground terminal
16	CF 1	-	IC clock OSC terminal.
17	CF 2	-	Frequency is 6.5MHz.
18	VDD	-	IC power supply terminal.(5Vdc)
19	T. END S.	I	Sensor signal input for tape end detection.
20	T. TOP S.	I	Sensor signal input for tape beginning detection.
21	T. REEL S.	I	Pulse input for detection of take-up reel table rotation.
22	POS SW1+2	I	Data indicating operation position of mechanism. (2V: EJECT,REW ,and INITIAL modes)(3.4V: STOP, PLAY,REC, and F-SEARCH modes) (2.5V: STILL and SLOW modes) (5V: R-SEARCH mode)
23	TAPE SPEED	I	Input of result of tape speed discrimination by digital servo IC.
24	AFT - C	I	Tuner AFT S-curve signal input for tuner AFT control.
25	ENV.	I	Video head envelope detection signal input for ATR function.
26	HiFi ENV.	I	Hi-Fi audio head envelope detection signal input for ATR function. (Hi-Fi model only)
27	WIDE ASPECT IN	I	Wide aspect video system indication signal input.
28	WIDE ASPECT ON	O	Video wide aspect system selection signal.
29	POWER DOWN	I	Power failure detection terminal.
30	SHORT TEST	I	REC mode indication signal input (REC 12V).
31	C - FG P.	I	FG signal input of capstan motor.
32	-	-	-
33	CTL P.	I	CTL head recording / playback pulse signal input.
34	-	-	-
35	RF SW P.	I	RF switching pulse input, created by head drum PG.
36	REMOCON	I	Remote control signal input.
37	AFT MUTE	O	"H" output during TU AFT mute. (V-syn model only)
38	G9	O	Display grid outputs (FLD).
39	G8	O	
40	G7	O	
41	G6	O	
42	G5	O	
43	G4	O	
44	G3	O	
45	G2	O	
46	G1	O	
47	VDD	-	IC power supply input.(5Vdc)
48	V LOAD	O	-23V input for FLD drive.
49	SEG l	O	Display segment outputs (FLD). (Includes key-scan output)
50	SEG k	O	
51	SEG j	O	
52	SEG i	O	
53	SEG h	O	Display segment outputs (FLD) (Includes key-scan output)
54	SEG g	O	
55	SEG f	O	
56	SEG e	O	
57	SEG d	O	
58	SEG c	O	
59	SEG b	O	
60	SEG a	O	
61	MOD PAL BG	O	Signal for RF output TV-system setting. (PAL-B/G)
62	MOD PAL I	O	Signal for RF output TV-system setting. (PAL-I)
63	TEST SIGNAL	O	Signal for RF test signal output.
64	TUNER SOUND	O	TV system indication signal output.(PALI H / others L)
65	KEY IN 0	I	Operation key data inputs.
66	KEY IN 1	I	
67	KEY IN 2	I	
68	KEY IN 3	I	
69	-	-	-
70	DMSS LED	O	Signal for indicating DMSS mode.
71	PAL L	I	PAL mode indication signal input.
72	-	-	-
73	SV S. DATA	O	Output 8-bit X 4 serial data giving operation mode and tracking data,etc., to digital servo IC.
74	OSD CS	O	Chip enable (access) signal output to OSD IC.
75	SV S. CLK	O	The clock pulse for digital servo IC.
76	COMMON DATA	O	Terminal for communication of respective data with OSD IC,DMSS IC,and CH+ IC.
77	I2C S.DATA	I/O	Data exchange with tuning memory,HiFi,VPS,PDC, MTS and NICAM decoder IC.
78	COMMON CLK	O	The clock pulse for HiFi,OSD,CH+,tuning memory, PDC,VPS,MTS and NICAM IC.
79	INPUT SEL A	O	Signal to select audio input source.(except HiFi set)
	TUNER A MUTE	O	Signal for disable the tuner audio signal.(HiFi set)
80	PLL CS	O	Chip enable signal output to tuner PLL tuning system IC. (F-syn model)
	TU PWM	O	Tuning voltage output (PWM signal). (V-syn model)
81	BAND 1	O	Tuning band data(BAND 1 and 2 ; for V-syn model).
	PLL DATA	O	Data exchange with tuner PLL IC (for F-syn model).
82	BAND 2	O	BAND 1 and 2 ; (L,L)=VHF-LOW (L,H)=VHF-HIGH (H,L)=UHF (H,H)=SKIP. (for V-syn model)
	PLL CLK	O	The clock for PLL IC of tuner unit (for F-syn model).
83	CH PLUS CLK	O	The clock pulse for CH+ in/out-select IC.(CH+ model)
	AV CTL	O	Audio input source selecting for audio IC.
84	NAP H	O	"H" output during NTSC (NAP) playback mode.
85	50 / 60	O	"H" output during 60 field mode.
86	DMSS CLK	O	Clock signal for audio DMSS unit.
87	INPUT SEL V	O	Signal for selecting video input source.
	FSS IN	I	CH+ mode control signal input (CH+ model).
88	AV1/AV2	O	Signal for selecting AV-input(video/audio)source/
89	VSS	-	IC ground terminal.
90	VDD	-	IC power supply input.(5Vdc)
91	STILL+SLOW+X2S	O	STILL, SLOW, or X2speed modes indication.
92	SPECIAL PLAY	O	Signal to indicate CUE, REV, STILL and SLOW modes.
93	-	-	-
94	NORMAL REC	O	Signal for indicating normal audio recording.
95	REC H	O	Signal for indicating recording mode.
96	PB H	O	Signal for indicating playback mode.
97	A MUTE+TU A MUTE	O	"H" output for disable audio output signal.
98	POWER UP	O	"HIGH" output except when power is off. Indicating that power is ON.
99	ML- S	O	Loading motor rotation speed (low / medium / high) indication signal.
100	ML- D	O	Loading motor rotation direction (FWD / REV) indication signal.

PP_TTS

CP-1 BOARD (SY-A) SYSTEM CONTROL(VHR-795E & VHR-775E)


IC302 LB1643
LOADING MOTOR DRIVE
IC303 MN1380L
RESET
TUNING/TIMER/SYSTEM CONTROL
IC301
LC866744A
CN303
T END S
GND
NC
T TOP S
T REEL P
SWD 5V
SAFETY/FL SW
POS SW 1+2
NC
LO MOTOR -
LO MOTOR +
POS SWO
TO MC-1 CN801
CN301
DMSS LED/NC
BACK UP GND
GND
ALWAYS 5V
REMOCON
HEATER +
GRID 9
GRID 8
GRID 7
GRID 6
GRID 5
GRID 4
GRID 3
GRID 2
GRID 1
SEG l
SEG k
SEG j
SEG i
SEG h
SEG g
SEG f
SEG e
SEG d
SEG c
SEG b
SEG a
HEATER -
KEY 2
KEY 1
KEY 0
TO TM-1 CN711
TO SY-A
MC-BR
C-VS CUT
O/I DATA
TAPE SPEED
CAP P
CAP FG P
CTL P
RF SW P
SV S.DATA
SV S.CLK
DRUM UP
SS+DRUM SHIFT
ALWAYS 13V (MC)
GND (MC)
SWD 5V
POWER UP
ALWAYS 5.6V
ALWAYS 5V
HEATER + (2.5V)
HEATER - (2.5V)
ALWAYS -23V
GND
TO PW-A
S.DATA(77)
S.CLK(78)
A.MUTE
HIFI ENV
REC H
NOR REC H
SHORT TEST
DMSS DATA
S.CLK(86)
TO AD-A
PWM
S.DATA(77)
S.CLK(78)
AFT-C
H SYNC
AFT MUTE
TO TN-A
(TUNER A MUTE) TO TN-A
TM-8(TM9)
(TM7)
ALWAYS 5V
VD(VPS)
I2C S.DATA
I2C S.CLK
GND
CN781
(CN771)
VD(VPS)
REAR1/REAR2
(OSD/CH+)S.DATA
S.CLK(OSD)
OSD CSorP OFF MUTE
AV L(FSS IN)
TO VD-A
REC H
PB H
AV CTLorCH+ CLK
STILL+SLOWx2
ENV DET
KEY3
KEY2
KEY1
KEY0
TUNER
REAR1/2
A.DUB
HIFI
LP
SV1
DMSS
VCR +
(VIDEO PLUS)
SEG a
SEG b
SEG c
SEG d
SEG e
SEG f
SY-A
Y1-15508/PP4H-E

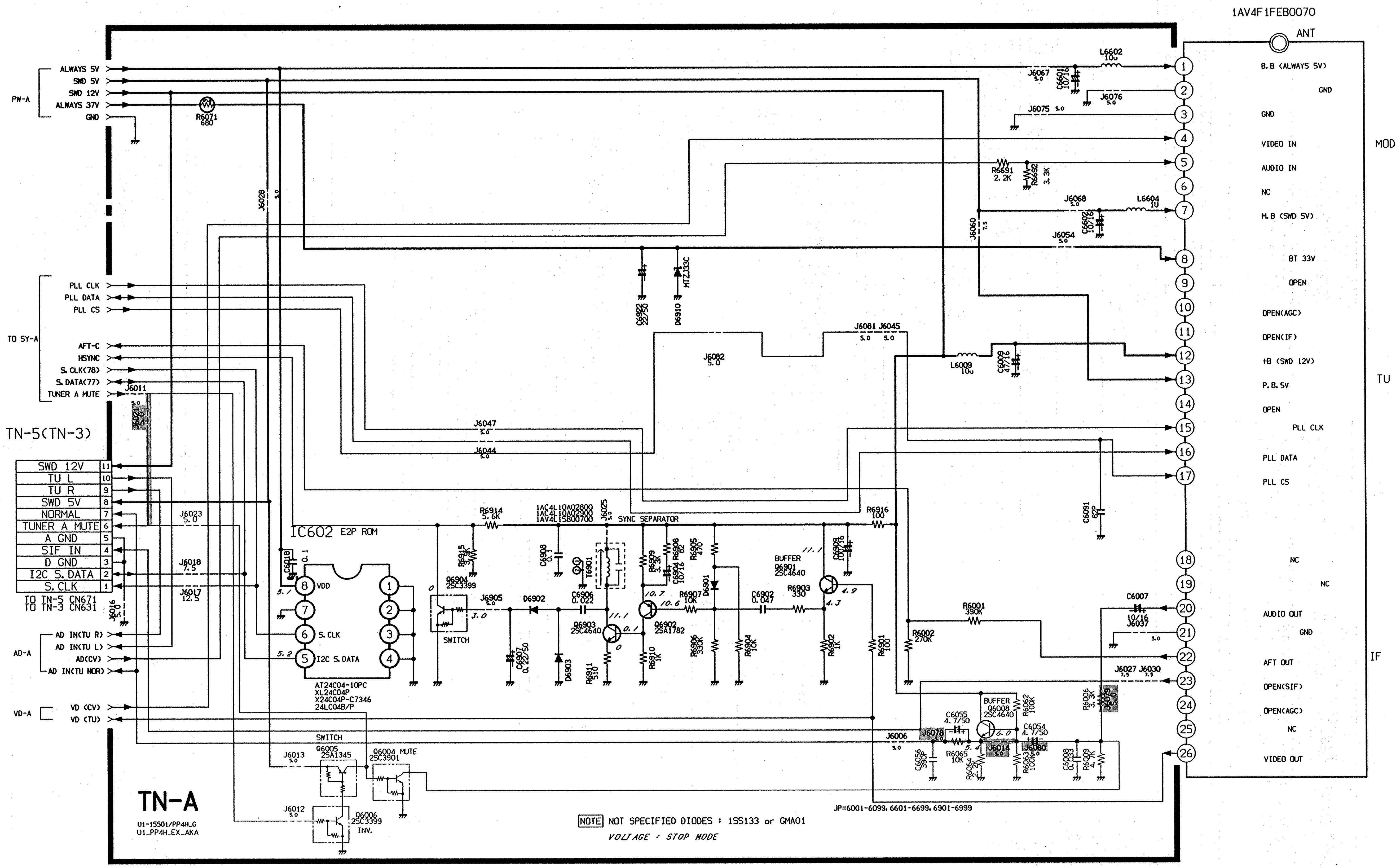
NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01

VOLTAGE : REC (PLAY) MODE

NOTE NOT USE : OPEN CIRCUIT

	※1.※2.※3	※4	※5.※6.※7	※8
VHR-795E	USE	TM-9:BUILT IN	USE	USE
VHR-775E	NOT USE	TM-7: OPTION	NOT USE	NOT USE

CP-1 BOARD (TN-A) TUNER IF CONNECTION (EXCEPT VHR-795E & VHR-775E)



1AV4F1FEB0070
ANT
PW-A
ALWAYS 5V
SWD 5V
SWD 12V
ALWAYS 37V
GND
R6071 680
TO SY-A
PLL CLK
PLL DATA
PLL CS
AFT-C
HSYNC
S.CLK(78)
S.DATA(77)
TUNER A MUTE
J6011
J6021 5.0
TN-5(TN-3)
SWD 12V
TU L
TU R
SWD 5V
NORMAL
TUNER A MUTE
A GND
SIF IN
D GND
I2C S.DATA
S.CLK
TO TN-5 CN671
TO TN-3 CN631
J6016 5.0
J6023 5.0
J6018 7.5
J6017 12.5
AD-A
AD IN(TU R)
AD IN(TU L)
AD(CV)
AD IN(TU NOR)
VD-A
VD (CV)
VD (TU)
J6028 5.0
IC602 E2P ROM
C6018 0.1
VDD
S.CLK
I2C S.DATA
AT24C04-10PC
XL24C04P
X24C04P-C7346
24LC04B/P
J6047 5.0
J6044 5.0
R6914 5.6K
R6915 3.9K
Q6904 2SC3399
SWITCH
J6905 5.0
D6902
C6907 0.22/50
D6903
1AC4L10AQ2800
1AC4L10AQ2900
1AV4L15800700
J6025 5.0
SYNC SEPARATOR
C6908 0.1
T6901
C6906 0.022
Q6903 2SC4640
R6911 510
R6909 3.3K
C6904 10/16
R6908 82
R6905 470
Q6902 2SA1782
R6907 10K
R6910 1K
R6906 330K
D6901
R6904 10K
C6902 0.047
BUFFER
Q6901 2SC4640
R6903 330
C6903 10/16
R6902 1K
R6901 100
R6916 100
C6923 22/50
D6910 MTZJ33C
J6082 5.0
J6081 J6045 5.0 5.0
L6009 10u
C6009 47/16
J6060 7.5
J6067 5.0
C6601 10/16
L6602 10u
J6076 5.0
J6075 5.0
R6691 2.2K
R6692 3.3K
J6068 5.0
C6602 10/16
L6604 10u
J6054 5.0
C6091 82P
R6001 390K
R6002 270K
C6007 10/16
J6037 5.0
J6027 J6030 7.5 7.5
R6006 3.3K
J6079 5.0
BUFFER
Q6008 2SC4640
R6062 100K
C6055 4.7/50
C6054 4.7/50
J6006 5.0
J6078 5.0
J6014 5.0
J6080 5.0
C6056 390P
R6065 10K
R6064 2.2K
R6063 100K
C6008 0.01
R6009 4.7K
JP=6001-6099, 6601-6699, 6901-6999
SWITCH
Q6005 2SA1345
J6013 5.0
Q6004 MUTE 2SC3901
J6012 5.0
Q6006 2SC3399 INV.
TN-A
U1-15501/PP4H_G
U1_PP4H_EX_AKA
NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01
VOLTAGE : STOP MODE
B.B (ALWAYS 5V)
GND
GND
VIDEO IN
AUDIO IN
NC
M.B (SWD 5V)
BT 33V
OPEN
OPEN(AGC)
OPEN(IF)
+B (SWD 12V)
P.B.5V
OPEN
PLL CLK
PLL DATA
PLL CS
NC
NC
AUDIO OUT
GND
AFT OUT
OPEN(SIF)
OPEN(AGC)
NC
VIDEO OUT
MOD.
TU
IF

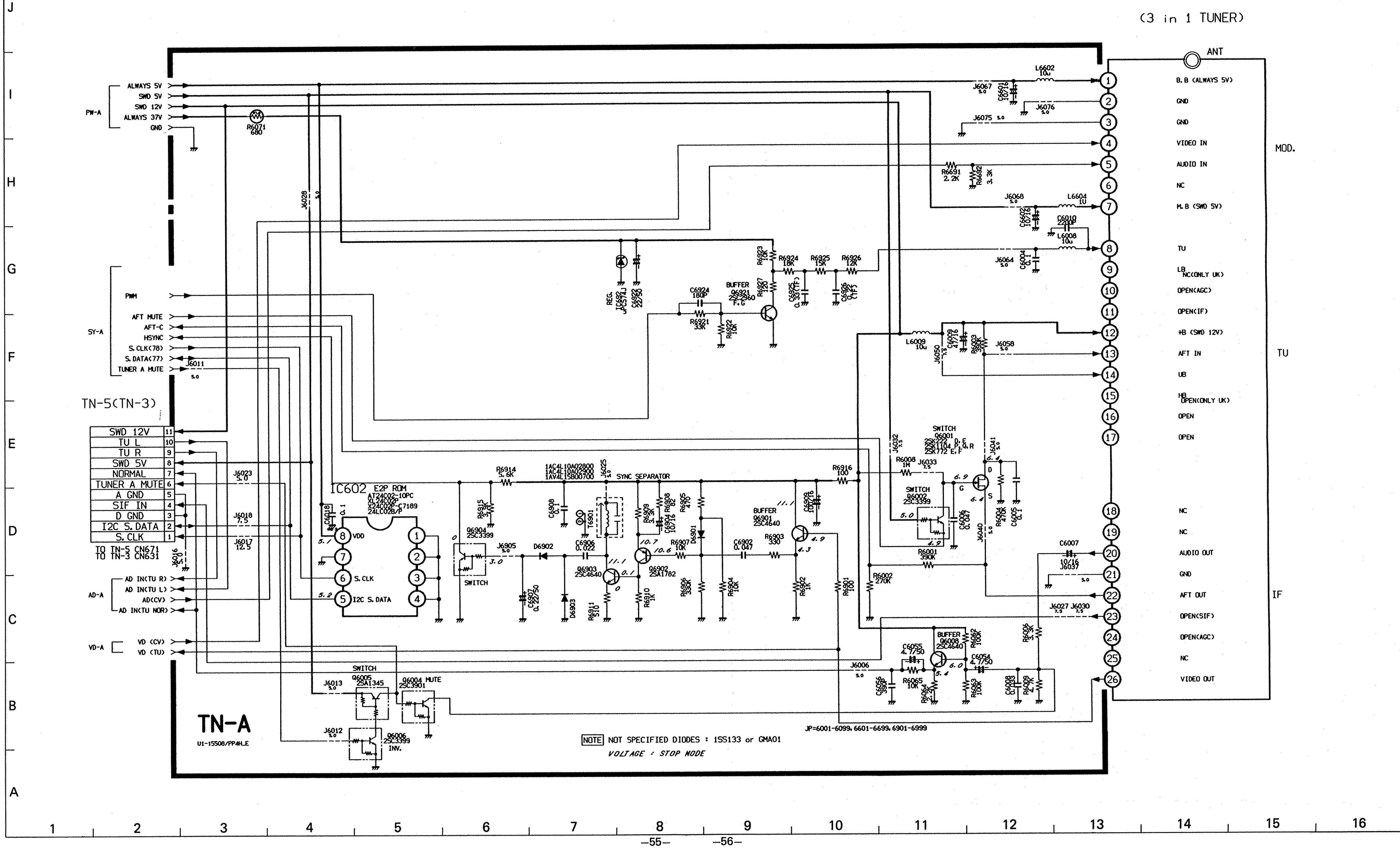
NOTES :

——— : Common parts for VHR-795G,VHR-795EX,VHR-775G & VHR-775EX

——— : The parts for VHR-795EX & VHR-775EX.

The parts marked ▨ are VHR-795G & VHR-775G.

CP-1 BOARD (TN-A) TUNER IF CONNECTION (VHR-795E & VHR-775E)

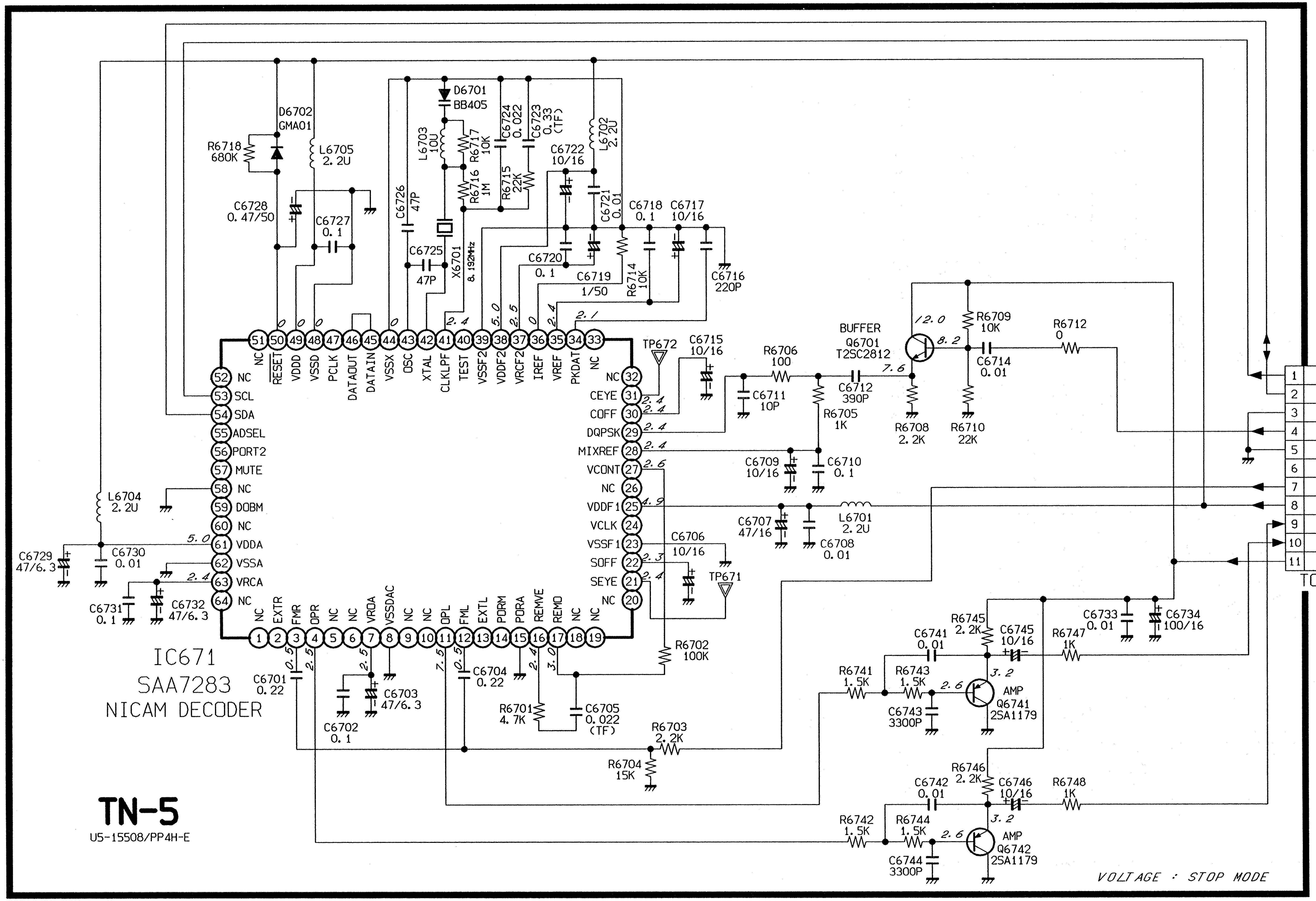

(3 in 1 TUNER)
ANT
PW-A
ALWAYS 5V
SWD 5V
SWD 12V
ALWAYS 37V
GND
R6071 680
J6028 5.0
SY-A
PWM
AFT MUTE
AFT-C
HSYNC
S.CLK(78)
S.DATA(77)
TUNER A MUTE
J6011 5.0
TN-5(TN-3)
SWD 12V 11
TU L 10
TU R 9
SWD 5V 8
NORMAL 7
TUNER A MUTE 6
A GND 5
SIF IN 4
D GND 3
I2C S.DATA 2
S.CLK 1
TO TN-5 CN671
TO TN-3 CN631
J6016 5.0
J6023 5.0
J6018 7.5
J6017 12.5
AD-A
AD IN(TU R)
AD IN(TU L)
AD(CV)
AD IN(TU NOR)
VD-A
VD (CV)
VD (TU)
IC602 E2P ROM
AT24C02-10PC
X24C02P-C7189
24LC02B/P
VDD
S.CLK
I2C S.DATA
C6018 0.1
SWITCH
Q6005 2SA1345
J6013 5.0
Q6004 2SC3901 MUTE
J6012 5.0
Q6006 2SC3399 INV.
TN-A
U1-15508/PP4HLE
Q6904 2SC3399
SWITCH
R6915 3.3K
R6914 5.6K
J6905 5.0
D6902
C6907 0.22/50
D6903
C6906 0.022
C6908 0.1
T6901
1AC4L10A02800
1AC4L10A02900
1AV4L15800700
J6025 5.0
SYNC SEPARATOR
Q6903 2SC4640
R6911 510
Q6902 2SA1782
R6910 1K
R6909 3.3K
R6908 82
C6904 10/16
R6907 10K
R6905 470
R6906 330K
D6901
R6904 10K
C6902 0.047
BUFFER Q6901 2SC4640
R6903 330
R6902 1K
C6909 10/16
R6901 100
R6916 100
REG. IC692 JPC574J
C6923 22/50
C6924 180P
R6921 33K
R6922 10K
BUFFER Q6921 2SA960 F.G
R6927 120
R6923 10K
R6924 18K
R6925 15K
R6926 12K
C6925 0.33(TF)
C6926 0.22(TF)
R6691 2.2K
R6692 3.3K
J6067 5.0
C6601 10/16
L6602 10u
J6076 5.0
J6075 5.0
J6068 5.0
C6602 10/16
L6604 1U
C6010 220P
L6008 10u
J6064 5.0
C6004 0.1
L6009 10u
J6050 7.5
C6009 47/16
R6003 390K
J6058 5.0
SWITCH Q6001 2SK222 D.E 2SK1104 P.Q.R 2SK772 E.F
J6032 7.5
J6041 5.0
R6008 1M
J6033 7.5
SWITCH Q6002 2SC3399
C6006 0.047
R6004 470K
J6040 5.0
C6005 0.1
D G S
R6001 390K
R6002 270K
C6007 10/16
J6037
J6027 7.5
J6030 7.5
R6006 3.3K
BUFFER Q6008 2SC4640
R6007 100K
C6055 4.7/50
C6054 4.7/50
J6006 5.0
C6056 390P
R6065 10K
R6064
R6063 100K
C6008 0.01
R6009 4.7K
JP=6001-6099, 6601-6699, 6901-6999
1 B.B (ALWAYS 5V)
2 GND
3 GND
4 VIDEO IN
5 AUDIO IN
6 NC
7 M.B (SWD 5V)
8 TU
9 LB NC(ONLY UK)
10 OPEN(AGC)
11 OPEN(IF)
12 +B (SWD 12V)
13 AFT IN
14 UB
15 HB OPEN(ONLY UK)
16 OPEN
17 OPEN
18 NC
19 NC
20 AUDIO OUT
21 GND
22 AFT OUT
23 OPEN(SIF)
24 OPEN(AGC)
25 NC
26 VIDEO OUT
MOD.
TU
IF
K J I H G F E D C B A
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

NOTE NOT SPECIFIED DIODES : 1SS133 or GMA01

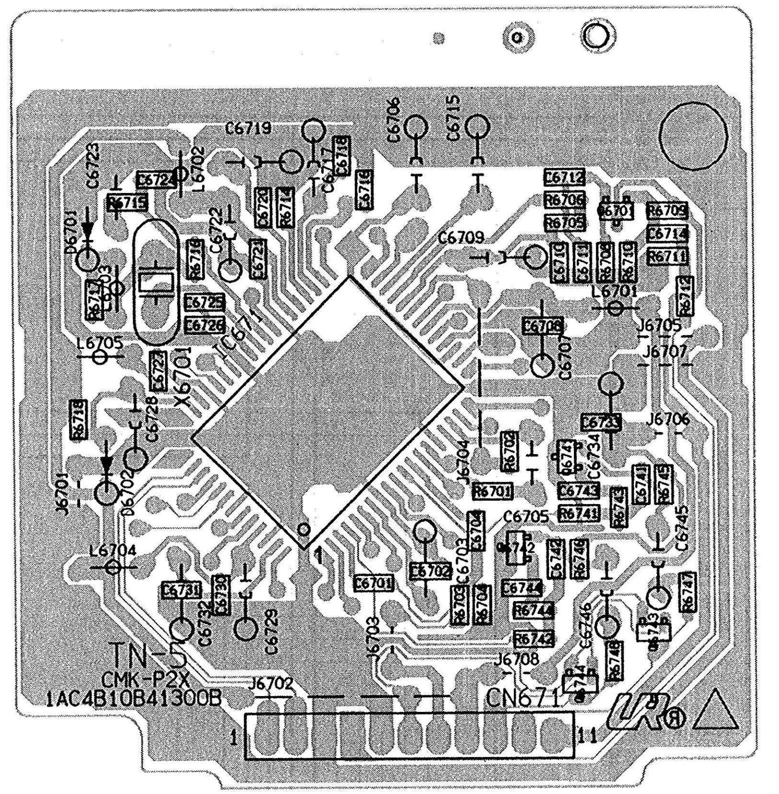
VOLTAGE : STOP MODE

K J I H G F E D C B A

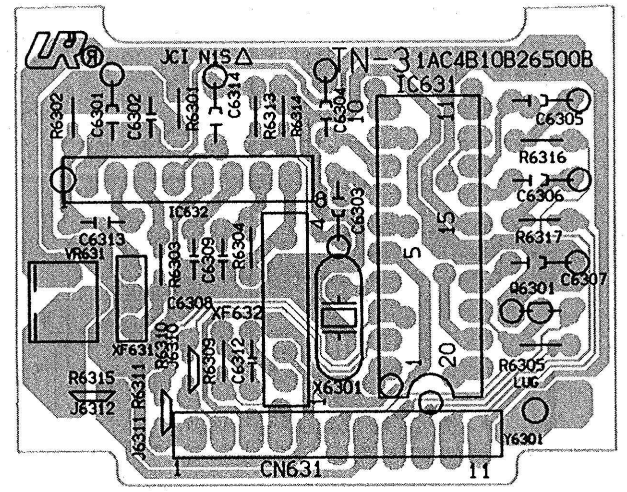
TN-5 BOARD NICAM (EXCEPT VHR-795G & VHR-775G)


IC671
SAA7283
NICAM DECODER
TN-5
U5-15508/PP4H-E
CN671
S. CLK
I2C S. DATA
D GND
SIF IN
A GND
N C
NORMAL
SWD 5V
TU R
TU L
SWD 12V
TO CP-1(TN-A)
BUFFER
Q6701
T2SC2812
AMP
Q6741
2SA1179
AMP
Q6742
2SA1179
D6701
BB405
D6702
GMA01
X6701
8.192MHz
TP672
TP671
R6718 680K
L6705 2.2U
C6728 0.47/50
C6727 0.1
L6703 10U
R6717 10K
R6716 1M
R6715 22K
C6726 47P
C6725 47P
C6724 0.022
C6723 0.33 (TF)
C6722 10/16
C6721 0.01
L6702 2.2U
C6720 0.1
C6719 1/50
R6714 10K
C6718 0.1
C6717 10/16
C6716 220P
C6715 10/16
R6706 100
C6711 10P
C6712 390P
R6705 1K
R6708 2.2K
R6709 10K
C6714 0.01
R6710 22K
R6712 0
C6709 10/16
C6710 0.1
C6707 47/16
L6701 2.2U
C6708 0.01
C6706 10/16
L6704 2.2U
C6729 47/6.3
C6730 0.01
C6731 0.1
C6732 47/6.3
C6701 0.22
C6702 0.1
C6703 47/6.3
C6704 0.22
R6701 4.7K
C6705 0.022 (TF)
R6702 100K
R6703 2.2K
R6704 15K
R6741 1.5K
R6743 1.5K
C6741 0.01
C6743 3300P
R6745 2.2K
C6745 10/16
R6747 1K
C6733 0.01
C6734 100/16
R6742 1.5K
R6744 1.5K
C6742 0.01
C6744 3300P
R6746 2.2K
C6746 10/16
R6748 1K
NC RESET VDDD VSSD PCLK DATAOUT DATAIN VSSX OSC XTAL CLKLPF TEST VSSF2 VDDF2 VRCF2 IREF VREF PKDAT NC
NC SCL SDA ADSEL PORT2 MUTE NC DOBM NC VDDA VSSA VRCA NC
NC CEYE COFF DQPSK MIXREF VCONT NC VDDF1 VCLK VSSF1 SOFF SEYE NC
NC EXTR FMR OPR NC VRDA NC VSSDAC NC OPL FML EXTL PDRM PORA REMVE REMO NC NC
VOLTAGE : STOP MODE

TN-5 P.W.B. (EXCEPT VHR-795G & VHR-775G)


TN-5
CMK-P2X
1AC4B10B41300B
CN671

TN-3 P.W.B. (VHR-795G & VHR-775G)


TN-3
1AC4B10B26500B
IC631
IC632
CN631

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

K

J

I

H

G

F

E

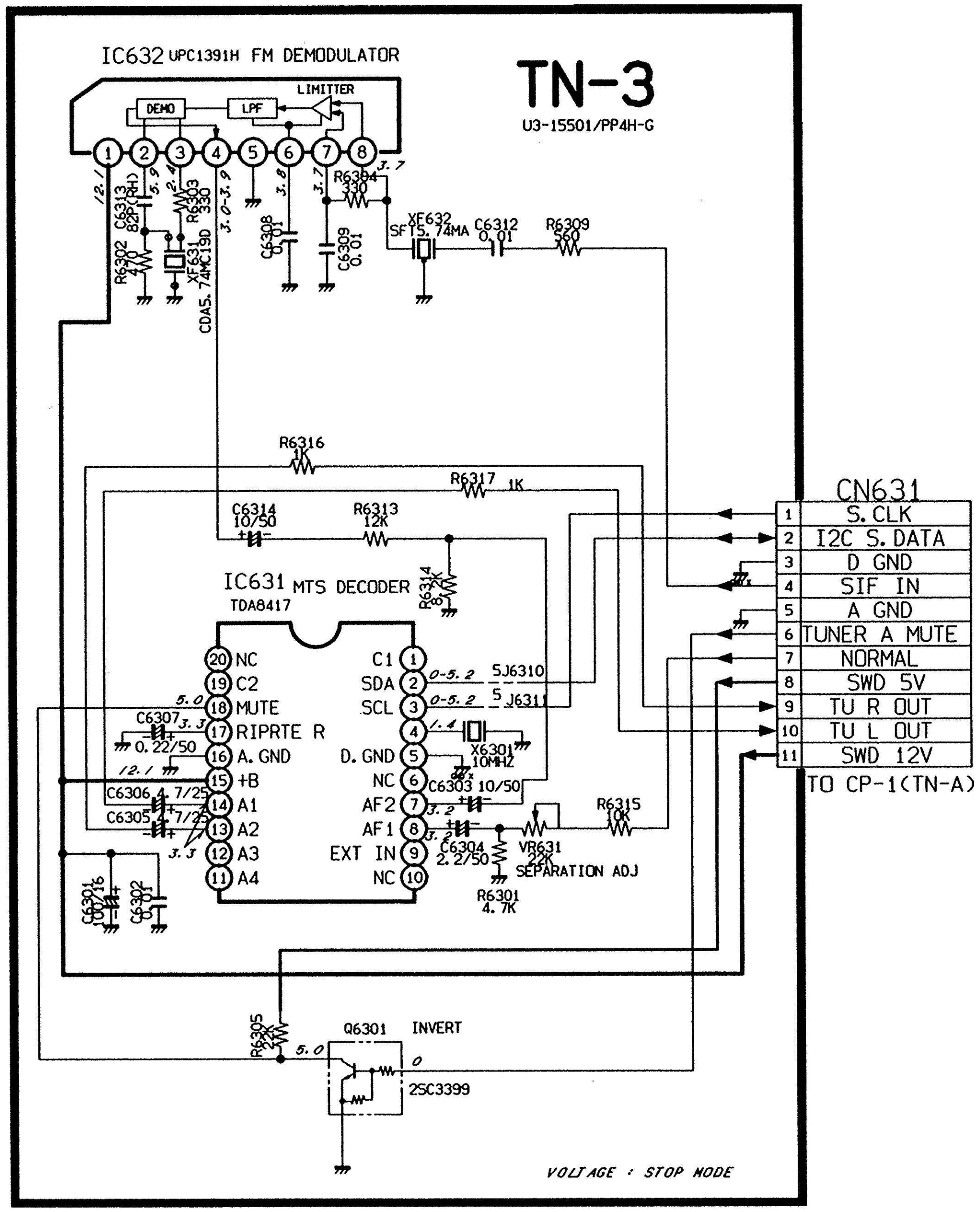
D

C

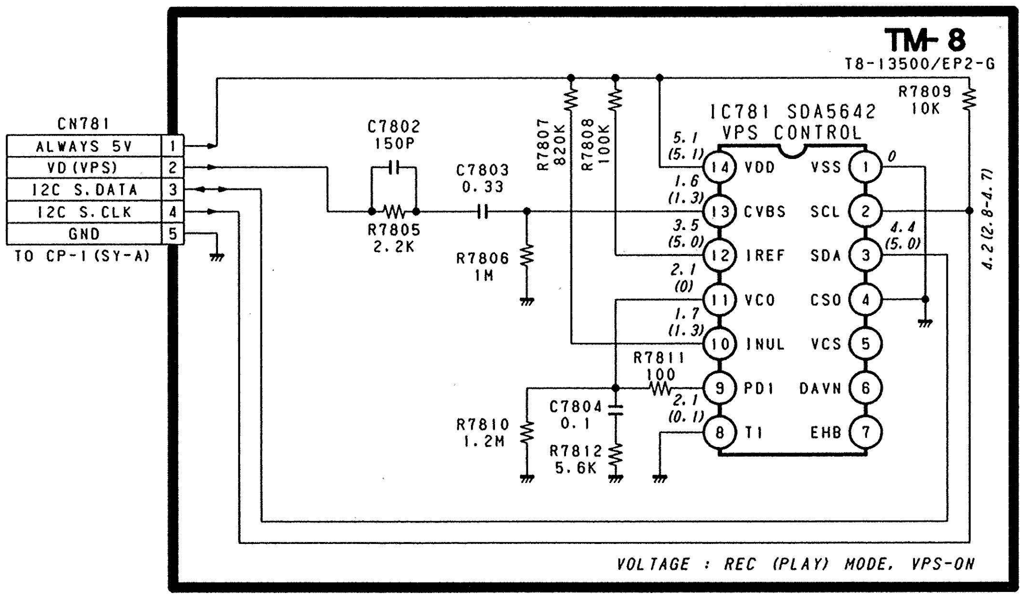
B

A

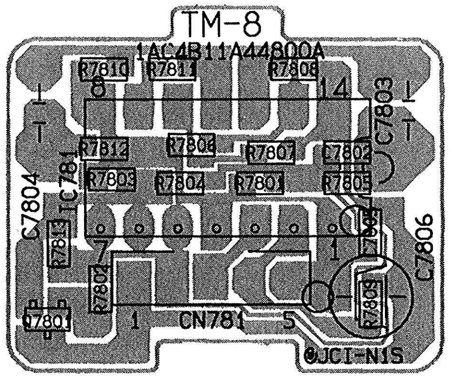
TN-3 BOARD MTS (VHR-795G & VHR-775G)


TN-3
U3-15501/PP4H-G
IC632 UPC1391H FM DEMODULATOR
DEMO
LPF
LIMITTER
R6304 330
XE632 SFT5.74MA
C6312 0.01
R6309 560
C6313 82P(CH)
R6302 470
R6303 330
XF631 74MC19D
CDA5.
C6308 0.01
C6309 0.01
R6316 1K
R6317 1K
C6314 10/50
R6313 12K
R6314 8.2K
IC631 MTS DECODER
TDA8417
NC
C2
MUTE
RIPRTE R
A. GND
+B
A1
A2
A3
A4
C1
SDA
SCL
D. GND
NC
AF2
AF1
EXT IN
NC
C6307 0.22/50
C6306 4.7/25
C6305 4.7/25
C6301 100/16
C6302 0.01
J6310
J6311
X6301 10MHZ
C6303 10/50
C6304 2.2/50
R6315 10K
VR631 22K SEPARATION ADJ
R6301 4.7K
CN631
1 S.CLK
2 I2C S.DATA
3 D GND
4 SIF IN
5 A GND
6 TUNER A MUTE
7 NORMAL
8 SWD 5V
9 TU R OUT
10 TU L OUT
11 SWD 12V
TO CP-1(TN-A)
R6305
Q6301 INVERT
2SC3399
VOLTAGE : STOP MODE

TM-8 BOARD VPS (VHR-775G)

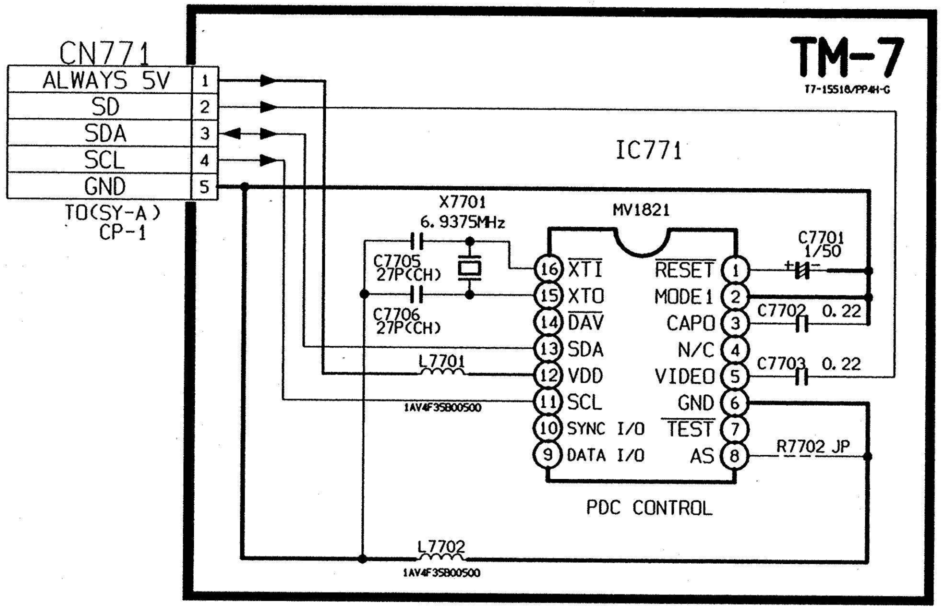

TM-8
T8-13500/EP2-G
CN781
1 ALWAYS 5V
2 VD (VPS)
3 I2C S.DATA
4 I2C S.CLK
5 GND
TO CP-1 (SY-A)
C7802 150P
R7805 2.2K
C7803 0.33
R7806 1M
R7807 820K
R7808 100K
R7809 10K
IC781 SDA5642 VPS CONTROL
VDD
CVBS
IREF
VCO
INUL
PD1
T1
VSS
SCL
SDA
CSO
VCS
DAVN
EHB
R7811 100
C7804 0.1
R7810 1.2M
R7812 5.6K
VOLTAGE : REC (PLAY) MODE, VPS-ON

TM-8 P.W.B. (VHR-775G)

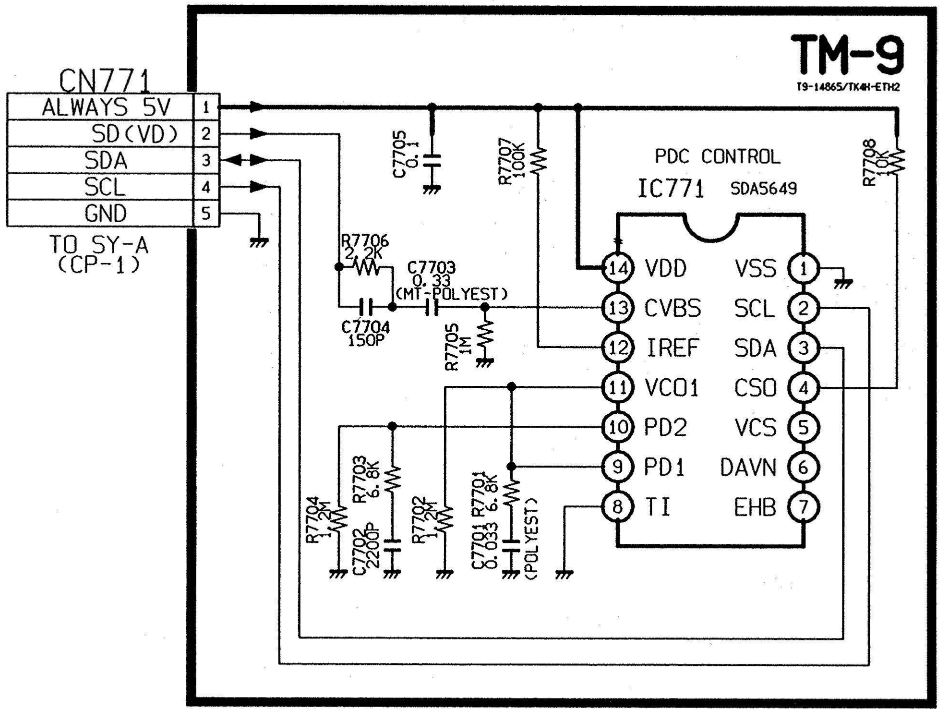

TM-8
1AC4B11A44800A
R7810
R7811
R7808
C7803
R7812
R7806
R7807
C7802
R7803
R7804
R7801
R7805
C7804
IC781
R7813
R7802
C7806
R7809
CN781
JCI-N1S

1 2 3 4 5 6 7 8 9 10 11 12 13 14

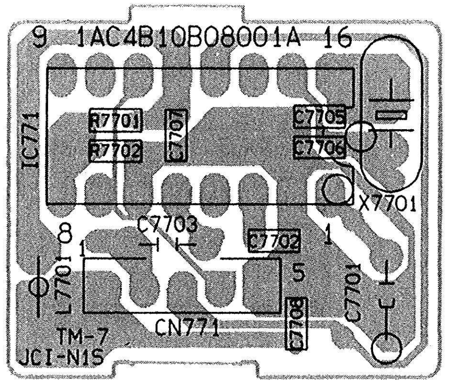
TM-7 BOARD PDC (ASSEMBLED FOR VHR-775EX & OPTION FOR VHR-775E)


TM-7
T7-15518/PP4H-G
CN771
ALWAYS 5V 1
SD 2
SDA 3
SCL 4
GND 5
TO(SY-A)
CP-1
IC771
MV1821
X7701
6.9375MHz
C7705
27P(CH)
C7706
27P(CH)
L7701
1AV4F35B00500
16 XTI
15 XTO
14 DAV
13 SDA
12 VDD
11 SCL
10 SYNC I/O
9 DATA I/O
RESET 1
MODE1 2
CAPO 3
N/C 4
VIDEO 5
GND 6
TEST 7
AS 8
C7701
1/50
C7702 0.22
C7703 0.22
R7702 JP
PDC CONTROL
L7702
1AV4F35B00500

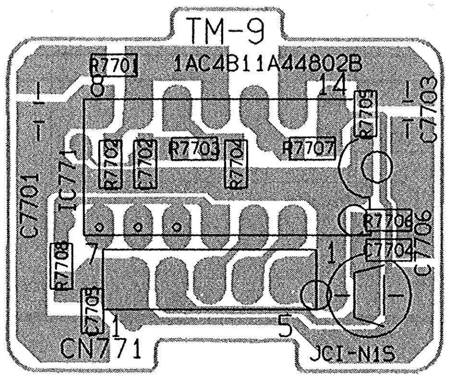
TM-9 BOARD PDC/VPS (VHR-795 series)


TM-9
T9-14865/TK4H-ETH2
CN771
ALWAYS 5V 1
SD(VD) 2
SDA 3
SCL 4
GND 5
TO SY-A
(CP-1)
C7705
0.1
R7707
100K
PDC CONTROL
IC771 SDA5649
R7708
10K
R7706
2.2K
C7703
0.33
(MT-POLYEST)
C7704
150P
R7705
1M
14 VDD
13 CVBS
12 IREF
11 VCO1
10 PD2
9 PD1
8 TI
VSS 1
SCL 2
SDA 3
CSO 4
VCS 5
DAVN 6
EHB 7
R7704
1.2M
R7703
6.8K
C7702
2200P
R7702
1.2M
C7701
0.033
(POLYEST)
R7701
6.8K

TM-7 P.W.B. (ASSEMBLED FOR VHR-775EX, OPTION FOR VHR-775E)


9
1AC4B10B08001A
16
IC771
R7701
R7702
C7707
C7705
C7706
X7701
C7703
C7702
8
1
5
L7701
C7701
C7708
CN771
TM-7
JCI-N1S

TM-9 P.W.B. (VHR-795 series)


TM-9
R7701
1AC4B11A44802B
14
R7705
C7703
IC771
R7702
C7702
R7703
R7704
R7707
C7701
R7706
C7704
C7706
R7708
C7705
7
1
5
CN771
JCI-N1S